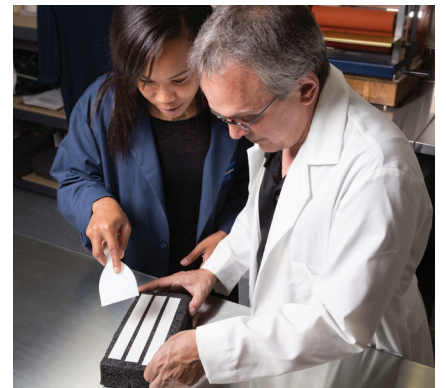




Industrial Products Catalog



Quality and Innovation

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ABOUT CCT

CCTapes produces a broad portfolio of adhesive tape products, using both acrylic and synthetic rubber adhesives and a wide range of foams, films, and other substrates.

With a proven track record of success, we are a reliable and secure partner for today and the future. We offer a level of customization and quality in our product line that is unmatched in the industry.

Customer partnership is at the heart of how we work.

The CCT Advantage

We partner closely with our customers to provide them with:

- Best in class **quality**
- **Flexibility** in product offering
- Significant **customization**
- **Creativity** and problem solving
- **Speed** of response
- Competitive **economics**



CCT CAPABILITIES



Coating

CCT's coating equipment uses slot die coating heads, capable of highly precise coat weight control and we can coat hot melt adhesive products as well as solvent based adhesives and coatings.

Hot melts can be coated from 0.5 to 10 mils (12.5 to 250 microns)

Solvent based systems can be coated from 0.5 to 5 mils dry (12.5 to 125 microns)

We have modern process controls for all critical aspects of our process - coat weight, lines speed, oven temperatures, air flow and more.

Converting

Our slitting capability provides everything from edge trimming down to 0.25" slit widths. We offer a variety of slitting techniques and machines, designed to handle a wide range of substrates and facestocks. Our roll lengths can be tailored to your needs, from 750 up to 5,000 lineal feet.

Product Testing and Quality Control

Our ISO17025 accredited adhesives testing laboratory provides a broad range of tests to verify quality. We are also able to implement your own test methods. In addition, we are able to track batch history and provide all of the record keeping and data systems you would expect.

Quality and Safety

CCT is an ISO 9001:2008 certified manufacturer and our adhesives testing laboratory is certified to ISO 17025:2005. We pride ourselves in our high quality manufacturing systems and our goal is to supply custom coated products that meet or exceed all expectations.

We meet or exceed all regulations for emissions and waste production. We have state of the art environmental controls in our processes and continually monitor the safety of our operations.

CCT is a Responsible Tape Manufacturer (RTM) and member of the Pressure Sensitive Tape Council. RTM is a new initiative that aims to be an indicator of ethical and quality leadership in the tape industry.

CCT has made a commitment to ensure that our tape products are produced in a responsible manner, and with consideration for the environment, workers, facilities and quality systems.

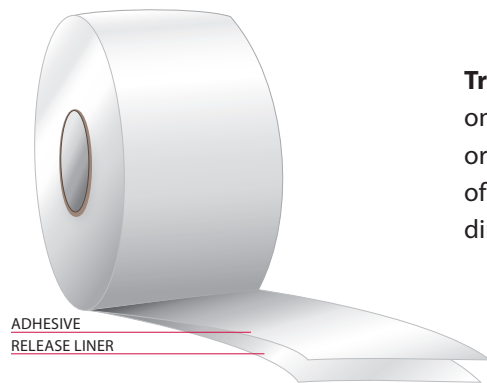
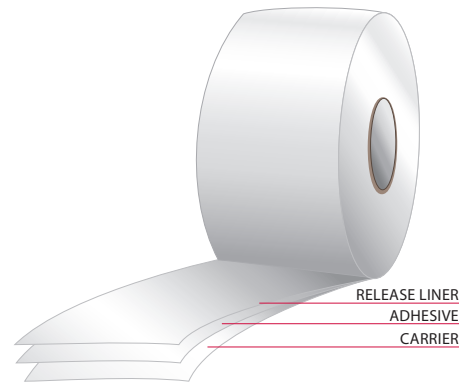


PSA TAPE CONSTRUCTIONS



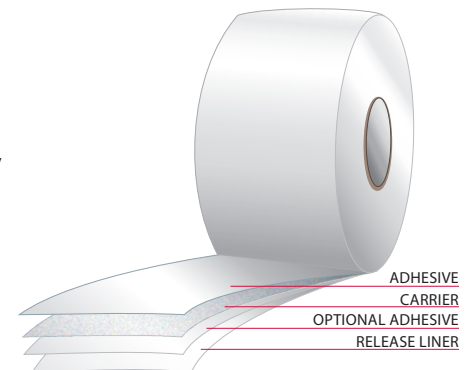
Double coated tapes have an adhesive coated on both sides of a central carrier, often a thin (0.5 mil) polyester, but many films, papers, foams and more can be used. These products also use release liner, which is normally also double sided and uses a differential release to enable easy unwind and application. The adhesive on each side of the carrier can be the same, or different. Similarly, the two adhesives can be the same or different thicknesses.

Single coated tapes have an adhesive applied to one side of a backing material. The backing could be a film, paper, non-woven, foil, foam or many other materials. If the opposite side of the backing has a release coating, then the tape can be “self-wound” without the need for a release liner. If not, then a release liner is also commonly used.



Transfer tapes or unsupported tapes have a coating of adhesive on one side of a double sided release liner. There is no additional backing or supporting material. These tapes can be converted into other types of tape product by lamination to another material, or can be used directly to bond two materials together.

Foam tapes are single or double coated products, with a release liner, that use a layer of foam as either the backing or carrier. Most commonly this can be a polyethylene or polyurethane foam, although other types exist. The foams can come in many densities and thicknesses which all impart very specific properties to the tapes.



PSA TEST METHODS

Datasheets for PSA tapes contain a range of physical property measurements and understanding what these tests mean is important in being able to determine if a particular tape product is right for your application. The most common performance measures are peel, tack and shear. While there are many variants on how these tests are performed, the most common methods are described below.

Peel

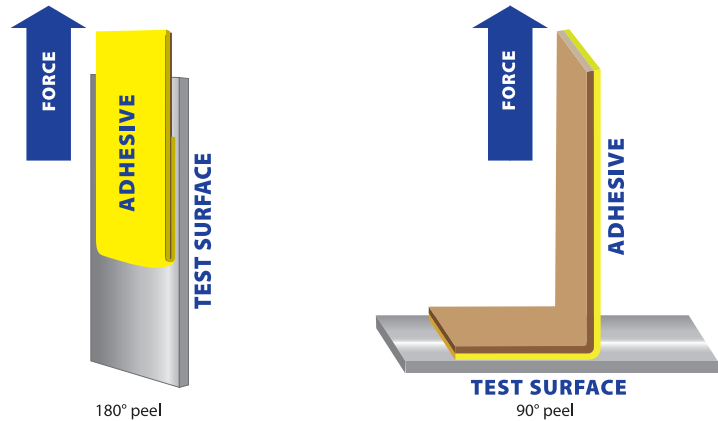
Peel is a measure of adhesion – how well the tape sticks to a specific surface. It is measured by bonding a tape strip to a surface and then recording the force required to pull it off in a controlled manner.

For QC testing purposes, the most common test surface is stainless steel, although other materials are also used and may be seen on data sheets and application specific tests (such as glass, HDPE, PP, ABS and more). The

tape is applied to the surface with a defined amount of pressure and then allowed to remain on the surface for a controlled amount of time (often 20 minutes but tests using 24 hours, or more are also performed).

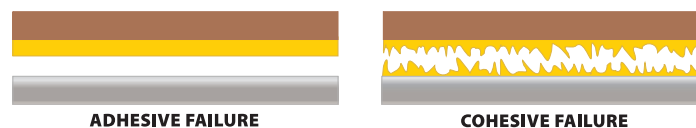
After that time, the tape is peeled off using a machine capable of measuring the force needed. A controlled speed is used (typically 12 inch/minute) as is a controlled angle (with 180° being the most common, although 90° may be used for some very thick tapes). The peel force is reported in units of force per width, such as ozf/in or N/25mm.

Controlling the speed and dwell time are key to getting consistent results due to the viscoelastic behavior of PSAs.



Peel Test

When the test strip is peeled away from the surface it can behave in one of several ways. The tape can remove cleanly from the surface, which is defined as adhesive failure. Alternatively, the tape can remove leaving some of the adhesive behind on the surface and some still on the tape backing, which is called cohesive failure. Combinations of the two are also possible, though less common.



Release

Release testing measures the force required to remove a tape sample from its release liner. It could be thought of as related to a peel test, except that instead of measuring the force required to remove the tape from a bonded substrate, it is a measure of force to remove the tape from the liner, expressed in force per width.

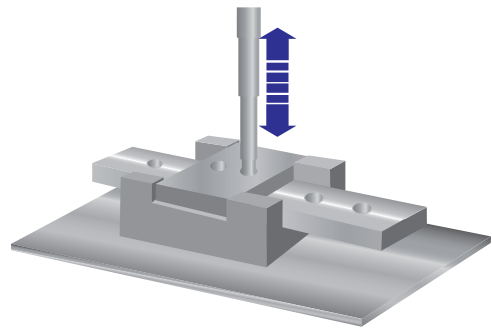
The test is performed using a long strip of tape which is separated from the liner at high speed. The test machines typically ramp up speed quickly, to around 2 m/s (78 in/s).

It is important to be aware that the release force varies with speed, and can be different when removing the tape from the liner at high speed versus lower speed. This can have implications for the end user, depending whether they plan to remove the liner by hand, or in an automated high speed process.

Tack

Tack is a measure of the initially stickiness of a tape – how sticky it feels when barely touched upon a surface, with no long dwell times or pressure applied. There are several methods commonly used when measuring tack – probe tack, loop tack and rolling ball tack.

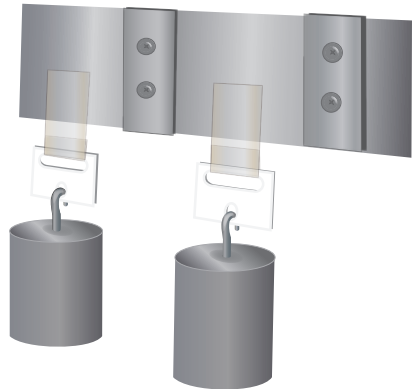
A probe tack test involves moving a probe mechanically to briefly touch and pull away from the tape surface measuring the force required. The probe is typically stainless steel, but other materials can be used.



Shear

Shear is a measuring of the internal strength, or cohesion, of the tape – a measure of the load bearing properties of the tape.

The test is performed by sticking a known surface area of tape (often 1 square inch) to a test surface and then hanging a weight from the tape. The time until the tape fails is measured – which can range from minutes to days depending on the particular tape and the weight applied.



S.A.F.T. (Shear Adhesion Failure Temperature)

SAFT is a special modification on a standard shear test, designed to show the heat resistance of a tape in a load bearing situation. The sample assembly is identical to the shear test described above, but the test is then performed inside an oven. The oven is programmed to increase in temperature over a defined period of time (often 1°F per minute, for example) until a maximum temperature of around 400°F is reached, at which point the temperature is held constant. Instead of reporting a time to failure, as in a conventional shear test, SAFT results are reported as the temperature at which the sample failed during the ramp up cycle of the oven.

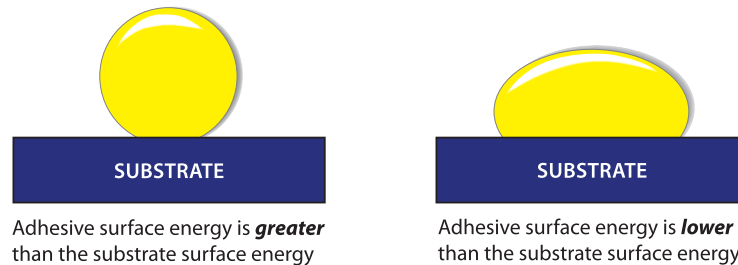
UNDERSTANDING HOW TAPE WORKS

Many different factors can have an effect on how well a tape will bond to a surface. Understanding these factors and how to control them can help ensure that the tape will perform as expected in your application.

In particular, it is important to consider surface energy, surface contaminants, roughness, overall shape, temperature and time. All of these play a role in how well and how quickly the tape will bond.

Surface Energy

The surface energy of a substrate (and an adhesive) will determine how easily the adhesive will wet out on the surface and how quickly an optimal bond will form. The term wet out refers to the flow of the adhesive across the substrate, forming close contact and therefore a strong bond. For a tape to wet out a substrate quickly, the surface energy of the adhesive must be lower than the surface energy of the substrate. This is common when bonding to metals and many engineered plastic, and so good bonds form readily with many different adhesives. When bonding to low surface energy materials (such as polyethylene, polypropylene and many powder coated metals) the adhesive could have a higher surface energy than the substrate and so not wet out rapidly. Rubber adhesives are generally lower surface energy than acrylics, and so will often bond more quickly. Also, additional treatments can be applied to the substrate (such as corona or plasma treatment) in order to temporarily raise its surface energy and therefore promote good bonding.



Contaminants - Cleanliness

When a tape bonds to a surface, it forms an intimate contact between the adhesive and the surface. If there are contaminants on the bonding surface (such as dust, oil, rust etc.) then the adhesive will contact those materials, and not the surface underneath.

In this case, the amount of adhesive contacting the substrate is reduced, as so, the strength of the adhesive bond is also reduced, and the tape may fail in the application.

Having a clean, dry surface is important to forming a good bond.



Rough surfaces

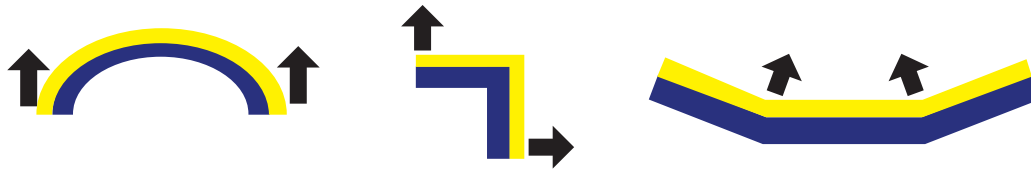
Sometimes the surface that the tape will stick to is not smooth – for example, wood, foams, textiles, or a plastic surface with an embossed texture. In these cases, the adhesive contact will initially be strongest only at the high points of the surface. Over time, or with pressure, the adhesive will flow and start to fill out the texture of the surface. Of course, it becomes important to use a thick enough tape to allow the adhesive to fill the depth of the texture. Thinner tapes may not be able to fill all of the surface voids, and may struggle to provide a strong enough bond.



Some adhesives will flow more than others, and more easily fill voids on the surface of the substrate. If the texture is extreme, then it may become necessary to choose a very aggressive adhesive in order to maximize the bond strength in the areas where contact occurs.

Curved surfaces

When bonding to a surface that is not flat, some additional factors can start to affect bonding. The curved, or angled surface will induce forces on the edges or bend points in the tape, which can result in a debonding peel force and cause the tape to pull away from the surface. These forces are indicated by the arrows in the diagrams below. More flexible tapes will obviously conform better to the surface.



In these cases it becomes important to ensure that the tape selected has a strong enough adhesion to overcome these forces. This may require selection of a quite different tape than would be used to bond to the same material on a flat surface.

Time and Temperature

The way that a PSA tape performs is related to both time and temperature. A tape that bonds very well at room temperature but not perform as well if you try to form a bond at much lower temperatures. That's why our data sheets provide a minimum application temperature. The adhesive will become "glassy" as it gets cold and appear less tacky. The tack will recover though as the tape warms up again.

Time is also a very important factor to consider when using a tape. The adhesive on a tape needs time to flow and wet out the surface fully. As such, the bond strength will increase over time on most tapes, reaching its maximum strength a day or more after the bond is made. This is important to consider for applications which need to bear a load soon after bonding – a faster wetting, more aggressive product may be needed. At higher temperatures, wet out will be faster and bond strength will increase more quickly. This process will be slower at lower temperatures.

All of these points demonstrate the importance of testing a tapes performance in your exact application – which can differ substantially from the "ideal" situation represented on a product data sheet. At CCT we are happy to help translate your product needs in to the ideal tape for your application.

CARRIER AND FACESTOCK INFORMATION

Carriers and facestocks are important components of double and single coated tapes. Double coated tapes are constructed with PSA on both sides of a carrier or support component. Single coated tapes are coated with PSA on one side of the support component, and here the term facestock is more commonly used. Carriers and facestocks can be engineered with a variety of substrates including films and foams and the choice will depend on the PSA and its application. The choice of carrier or facestock helps determine the properties of the final product.

Films

Film carriers used in PSA construction offer a variety of thickness, chemical resistance, barrier properties, tensile strength, elongation and temperature resistance.

Polyester (PET) clear plastic film carrier can be used with most types of adhesives, offering high tensile strength and providing good barrier properties to most migratory chemicals and excellent environmental stability.

Polyurethane (PU) is a soft, conformable film, that does not contain any plasticizers that could migrate out of the film and cause allergic reactions or hardening of the film over time. PU is also resistant to water, UV rays, chemicals, bacteria and fungus, and offers good water vapor transmission.

Polyethylene (PE) is a flexible carrier that provides good chemical and solvent resistance.

Polypropylene (PP) features higher temperature and better chemical resistance than polyethylene, while still having good conformability.

Foams

Foam Carriers provide cushioning, conformability, and water resistance. Some examples are:

Polyethylene (PE) a lightweight, resilient, closed-cell material available in a wide range of densities and colors. PE foam offers superb flexibility, strength and tear resistance, as well as resistance to water, chemicals, solvents and grease.

Ethylene Vinyl Acetate (EVA) is a closed cell foam that is soft and significantly more durable than PE foam with great recovery characteristics. EVA foam will also have greater tensile and elongation properties than PE foam. Features include, impact and vibration absorption, weather and chemical resistance, and acoustic and thermal insulation properties.

Non-Wovens

Non-woven carriers are engineered fabrics bonded together by entangling synthetic fibers either mechanically, thermally or chemically. Non-woven carriers offer a range of specific features such as, resilience, stretch, conformability and strength, which vary based on the choice of fiber and bonding process.

LINER INFORMATION

- 12pt** A heavy brown Kraft release liner, 12 mils thick, with silicone coated on both sides, with a 3:1 release differential. The board is also poly-coated on both sides for added environmental and dimensional stability.
- 20 PET** A clear 2 mil polyester film, coated on one side with silicone release, offering high tensile and tear strength with high temperature and solvent resistance. Additional features include dimensional stability, conformability and a very smooth silicone surface, suitable for a variety of adhesives.
- 42# SCK** A 42 lb super calendared Kraft paper, 2.9 mils thick, coated on one side with an easy release chemistry silicone. Ideal for high temperature conversion processes and easily die-cut. Features controlled caliper and good tensile strength.
- 54# SCK** A 54 lb super calendared Kraft, 3.2 mils thick, coated on one side with silicone release.
- 60# SCK** A 60 lb super calendared Kraft, coated on both sides with silicone release.
- 61# PCK** A 61 lb Kraft paper, coated on both sides with silicone release.
- 76# PCK** A 76 lb polycoated Kraft paper, 5.6 mils thick, coated on both sides with silicone release with a 3:1 differential. The polycoating provides environmental stability.
- 80# SCK** An 80 lb double sided silicone coated super calendared Kraft, 4.2 mils thick, with a 2:1 differential release. Ideal for rotary die cutting and as a converting carrier.
- 90 MG** A 90 gsm, mustard colored glassine paper, with silicone coating on both sides, with a 3:1 differential release. Extremely smooth and uniform, with good chemical resistance.
- 96# PCK** A 96 lb polycoated Kraft, 7 mils thick, with silicone release on one side.
- LDPE** A translucent to opaque low density polyethylene film with excellent chemical resistance. Lightweight and robust enough to be virtually unbreakable and at the same time, highly flexible.
- HDPE** A blue 4 mil high density polyethylene film, coated on both sides with silicone release with a 2:1 differential. Excellent chemical resistance and able to withstand higher temperatures.

Stock Release Liners

Our diverse product range includes a selection of stock release liners, that are available in small minimum order quantities with short lead times. Stock release liners can be ordered in wide-web rolls, or can be slit to roll widths as narrow as 2" to suit your requirements.

Product	Description
RL12C2-5550-411	12pt brown Kraft release liner
RL20C1-5550-001	2 mil clear PET film with silicone on one side
RL42C1-5550-120	42# SCK with silicone on one side with easy release chemistry
RL76C2-5550-005	76# release liner, silicone coated on two sides with a 3:1 release differential
RL80C2-5550-144	80# Kraft release liner, silicone coated on two sides with a 2:1 differential
RL96C1-6300-001	96# release liner, silicone coated on one side. Can be used for medical converting

DOUBLE COATED FOAM TAPES



FT1920 - FT1925

Permanent adhesive formulated to offer a high initial tack, that exhibits excellent wet-out to a variety of substrates while maintaining good heat and chemical resistance. Designed for general-purpose mounting, gasketing and sealing applications. Some end use markets include POP, signs and nameplates, automotive, appliance, mirror housings and stair tread mounting applications.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1920	Stock	1.8 mil acrylic / 1.8 mil acrylic	1/32" white PE foam	76#	60"
FT1921	Stock	1.8 mil acrylic / 1.8 mil acrylic	1/32" black PE foam	76#	60"
FT1922	Stock	1.8 mil acrylic / 1.8 mil acrylic	1/16" white PE foam	76#	60"
FT1923	Stock	1.8 mil acrylic / 1.8 mil acrylic	1/16" black PE foam	76#	60"
FT1924	Custom	1.8 mil acrylic / 1.8 mil acrylic	1/8" white PE foam	76#	60"
FT1925	Custom	1.8 mil acrylic / 1.8 mil acrylic	1/8" black PE foam	76#	60"

FT1800 - FT1805

Exhibits excellent wet-out to a variety of substrates and conformability to irregular surfaces making it ideal for many general purpose mounting applications. The adhesive displays excellent cold temperature properties and offers a foam tearing bond to a wide variety of materials. The adhesive meets the requirements of 21CFR175.105 for indirect food contact applications.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1800	Stock	2 mil rubber / 2 mil rubber	1/32" white PE foam	76#	60"
FT1801	Stock	2 mil rubber / 2 mil rubber	1/32" black PE foam	76#	60"
FT1802	Stock	2 mil rubber / 2 mil rubber	1/16" white PE foam	76#	60"
FT1803	Stock	2 mil rubber / 2 mil rubber	1/16" black PE foam	76#	60"
FT1804	Custom	2 mil rubber / 2 mil rubber	1/8" white PE foam	76#	60"
FT1805	Custom	2 mil rubber / 2 mil rubber	1/8" black PE foam	76#	60"

PRFT1700 Permanent / Removable

A permanent / removable foam tape used in applications where a temporary bond is required. The liner side (substrate/application) adhesive will remove cleanly from many surfaces under typical environmental conditions, leaving no ghosting or residue behind. An excellent tape for adhering abrasives discs and materials to various disk holders, printing plates and where low adhesion is required on the end user side. Multiple uses in POP assembly applications.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
PRFT1700	Custom	2.0 mil rubber / 1.4 mil rubber	1/32" white PE foam with polyester support	76#	60"

DOUBLE COATED FOAM TAPES



FT1300 Series

Foam tape coated on both sides with a very aggressive, high tack adhesive system. Engineered for high shear and stress designs. The product offers a foam-tearing bond to a wide variety of materials. Exhibits excellent wet-out to a variety of substrates and conformability to irregular surfaces making it ideal for many general purpose mounting applications. Widely used in POP or hang tab applications. The adhesive meets the requirements of 21CFR175.105 for indirect food contact applications.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1300	Custom	2.0 mil rubber / 2.0 mil rubber	1/32" white PE foam	76#	60"

FT1302 Series

Double coated foam tape, coated with a very aggressive, high tack adhesive system, engineered for high shear and stress designs. Exhibits excellent wet-out to a variety of substrates and conformability to irregular surfaces making it ideal for many general purpose mounting applications. Widely used in POP or hang tab applications. The adhesive meets the requirements of 21CFR175.105 for indirect food contact applications.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1302	Custom	2.0 mil rubber / 2.0 mil rubber	1/16" white PE foam	96#	60"

FT1352

Foam tape coated on both sides with a high shear, high strength adhesive system. This high performance adhesive system is engineered to provide high initial adhesion to a variety of substrates including low surface energy (LSE) materials. Used in a variety of applications including mirror mounting and door sealing.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1352	Custom	2.7 mil rubber / 2.7 mil rubber	1/16" white PE foam	96#	60"

FT1362

A double coated foam tape constructed with aggressive high shear, high temperature resistant, permanent adhesives on both sides. Designed for applications which require very aggressive high tack, strong shear, peel strength and robust performance. Excellent performance under dead load stress. Foam carrier offers conformability to irregular surfaces. For bonding to a wide range of materials including wood, metal and low surface energy (LSE) plastics.

Product	Type	Adhesive (Air side / Liner side)	Foam Carrier	Liner	Width
FT1362	Custom	2.4 mil rubber / 2.4 mil rubber	1/16" white PE foam	76#	60"

SINGLE COATED FOAM TAPES



SCFT1307

A high tack rubber based adhesive system that displays excellent cold temperature properties while maintaining good shear properties. Bonds aggressively to many plastics and high surface energy materials and displays. For cushioning, gasketing, sealing, insulating and vibration control applications. The adhesive meets the requirements of 21CFR175.105 for indirect food contact applications.

Product	Type	Adhesive	Foam Carrier	Liner	Width
SCFT1307	Custom	2 mil rubber	1/16" gray PE foam	4 mil PE	60"

SCFT1800 - SCFT1805

The high tack rubber based adhesive system displays excellent cold temperature properties while maintaining good shear properties. Bonds well to many plastics and high surface energy materials, and displays. For cushioning, gasketing, sealing, insulating and vibration control applications. The adhesive meets the requirements of 21CFR175.105 for indirect food contact applications.

Product	Type	Adhesive	Foam Carrier	Liner	Width
SCFT1800	Custom	2 mil rubber	1/32" white PE foam	76#	60"
SCFT1801	Custom	2 mil rubber	1/32" black PE foam	76#	60"
SCFT1802	Custom	2 mil rubber	1/16" white PE foam	76#	60"
SCFT1803	Custom	2 mil rubber	1/16" black PE foam	76#	60"
SCFT1804	Custom	2 mil rubber	1/8" white PE foam	76#	60"
SCFT1805	Custom	2 mil rubber	1/8" black PE foam	76#	60"

SCFT1850

A white foam tape with a PET carrier for added dimensional support. Constructed with an aggressive, permanent adhesive that exhibits excellent wet-out to a variety of substrates. This product will bond aggressively to many plastics and high surface energy materials and displays. PET supported for short term removability. Often utilized in medical device assembly.

Product	Type	Adhesive	Foam Carrier	Liner	Width
SCFT1850	Custom	1.4 mil rubber	1/32" white PE foam	61#	60"

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SINGLE COATED TAPES



SC1020

Constructed with a high performance, permanent adhesive that exhibits excellent wet-out to a variety of substrates. The 2mil PET facestock is available in white, or clear. Designed for a wide variety of applications including industrial gasketing, abrasion resistance and packaging protection when welded to corrugated plastic. Excellent die cutting characteristics.

Product	Type	Adhesive	Facestock	Liner	Width
SC1020	Custom	1.5 mil rubber	2.0 PET	44#	54" / 60"

SC1168 Series

A single coated non-woven PSA tape, available in black, white, blue or grey facestock. Constructed with an aggressive, permanent adhesive that exhibits excellent wet-out to a variety of substrates. Designed for a wide variety of end use applications including abrasion resistance and packaging protection. Excellent conformability and die cutting characteristics.

Product	Type	Adhesive	Facestock	Liner	Width
SC1168	Custom	1.3 mil rubber	Non-woven	44#	44" / 48" / 54" / 60" / 72"

SW1627

Self-wound converting aid / carrier tape with an aggressive, permanent adhesive for laminating. Developed for a wide use of end market applications; especially protective cover for foams, sponges and non-wovens to improve sound damping qualities and for part reinforcement.

Product	Type	Adhesive	Facestock	Width
SW1627	Custom	1.5 mil rubber	2.0 PET	54" / 60"

SC1629

A single-coated tape designed for premium label applications. Constructed with a 0.5 mil PET facestock. The facestock is dimensionally stable and a good barrier film. The adhesive is specially designed to bond to a variety of substrates while maintaining superior heat resistance.

Product	Type	Adhesive	Facestock	Liner	Width
SC1629	Custom	2.5 mil rubber	0.5 PET	85#	57"

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DOUBLE COATED TAPES



M1511 Series

A unique adhesive with dynamic laminating properties to many foams and rubbers. Generates excellent bonds to low permeability foams. Used in a variety of end use markets and is exceptional for difficult automotive applications. Has been tested and approved against a variety of standard automotive test specifications. This construction is compliant for biological growth / fungal resistance per ASTM-4300.

Product	Type	Adhesive (Air side / Liner side)	Carrier	Liner(s)	Width
M1511	Stock	1.8 mil acrylic / 1.4 mil rubber	0.5 PET	76#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1511-76-44	76# / 44"	M1511-12-44	12pt / 44"
M1511-80-54	80# / 54"	M1511-12-54	12pt / 54"

M1516 Series

A rubber based adhesive on the liner side and solvent acrylic air side. The liner side adhesive is designed for excellent wet-out to a variety of substrates. Air side is a very high heat adhesive with dynamic laminating properties to many foams and rubbers. Used in a variety of end use markets and has exceptional performance in difficult automotive applications. Meets a variety of standards including Delphi SD2-324.

Product	Type	Adhesive (Air side / Liner side)	Carrier	Liner(s)	Width
M1516	Stock	1.8 mil acrylic / 1.5 mil rubber	0.5 PET	12pt	54" / 60"

Also available in the following custom construction:

Product Number	Liner / Width
M1516-76-54	76# / 54"

M1519

A specially designed, aggressive permanent rubber based adhesive on the liner side and a high performing industrial acrylic adhesive on the air side. Excellent adhesion to a variety of substrates. Excellent performance in kiss cutting processes. Developed to promote excellent wet-out to a variety of substrates, particularly low surface energy plastics, while maintaining necessary chemical and heat resistance with high shear properties for a multitude of applications. Polyester carrier offers additional dimensional support and enhanced die-cutability characteristics. This product is widely used in automotive applications and meets a variety of standards.

Product	Type	Adhesive (Air side / Liner side)	Carrier	Liner(s)	Width
M1519	Custom	1.5 mil acrylic / 1.4 mil rubber	0.5 PET	12pt / 76#	54" / 60"

DOUBLE COATED TAPES



M1521

High performing industrial tape developed to promote excellent wet-out to a variety of substrates, particularly low surface energy (LSE) plastics. A general purpose PSA tape that maintains necessary chemical and heat resistance with high shear properties for a multitude of applications.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1521	Custom	1.25 mil acrylic / 1.2 mil acrylic	0.5 PET	12pt / 60# / 76# / 80#	54"

M1522 Series

High performing industrial tape developed to promote excellent wet-out to a variety of substrates, particularly low surface energy (LSE) plastics, while maintaining necessary chemical and heat resistance with high shear properties for a multitude of applications. A cost competitive, yet high performing industrial acrylic tape.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1522	Stock	1.5 mil acrylic / 1.5 mil acrylic	0.5 PET	80# / 76#	54"

M1522 is also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner/Width
M1522-76-54	76# / 54"	M1522-12-54	12pt / 44"

M1523 Series

A high tack aggressive adhesive on the liner side is developed with exceptional wet-out to a variety of substrates, including LSE plastics. The air side solvent acrylic adhesive is a high performance laminating adhesive system for a wide range of foams. Maintains dynamic high heat, chemical resistance and shear properties. This product meets the requirements of UL723 and Delphi SD2-324.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1523	Stock	1.6 mil acrylic / 1.2 mil acrylic	0.5 PET	12pt / 80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1523-60-54	60# / 54"	M1523-76-54	76# / 54"

M1529

A high performing industrial tape. Developed to promote excellent wet-out to a variety of substrates, particularly low surface energy plastics, while maintaining necessary chemical and heat resistance with high shear properties for a multitude of applications. Designed with heavy coat weights for better adhesion to irregular surfaces.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1529	Custom	2.8 mil acrylic / 3.4 mil acrylic	0.5 PET	61#	54"

DOUBLE COATED TAPES



M1533

A double coated PET film tape constructed with a high performance, industrial grade, acrylic adhesive system. Engineered specifically for the automotive industry. This tape retains performance characteristics when bonded to metallic or nonwoven laminates, at elevated temperatures, and after extended submersion in various automotive fluids.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1533	Custom	1.5 mil acrylic / 2.0 mil acrylic	0.5 PET	61#	60"

M1671 Series - Permanent / Removable

A removable adhesive on liner side and high performance laminating adhesive on the airside. This construction has a variety of unique end-use applications, especially where a temporary bond is required. Excellent tape for use in transportation applications that require the pressure sensitive tape to remove cleanly at end of life.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1671	Stock	1.5 mil acrylic / 0.5 mil acrylic	0.5 PET	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width
M1671-76-60	76# / 60"

M1675 - Permanent / Removable

Designed with a removable adhesive on liner side and high performance laminating adhesive air side. Excellent tape where re-bond cork and EDPMs are laminated for use in applications that require PSA tape to remove cleanly at end of life. Designed for a variety of unique transportation and screen printing applications.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1675	Stock	1.4 mil acrylic / 0.5 mil acrylic	0.5 PET	80#	54"

M1775 Series - Permanent / Removable

Designed for a variety of unique end-use applications, especially where a temporary bond is required. Liner side adhesive will remove cleanly from many surfaces under typical environmental conditions, leaving no ghosting or residue behind. Excellent tape for transportation and screen printing applications. Removes cleanly from many flooring substrates making it suitable for industrial and medical mat designs.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1775	Stock	1.8 mil rubber / 0.5 mil acrylic	0.5 PET	80#	54"

DOUBLE COATED TAPES



M1200W

Developed for applications in graphic mounting where an opaque backing is required to enhance the quality of the mounted graphic. The high tack, double coated tape is ideal for mounting photos, displays, advertisements, artwork and POP displays.

Product	Type	Adhesive (AS / LS)	Carrier	Liner(s)	Width
M1200W	Custom	1.25 mil rubber/1.25 mil rubber	BOPP	76#	49"

M1206 Series

The air side adhesive is engineered for good cold flow lamination to multiple urethane foam formulations, as well as many polyethylene foams and closed cell sponge. The heavy coating weight for laminating also makes the product ideal for open cell foams.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1206	Stock	2.0 mil rubber/1.4 mil rubber	0.5 PET	80#	54"

Also available in the following custom construction:

Product Number	Liner / Width	Product Number	Liner / Width
M1206-80-60	80# / 60"	M1206-76-54	76# / 54"

M1207 Series

An aggressive permanent adhesive developed for a wide use of end market applications; for bonding to urethane and polyethylene foams, closed cell rubbers, cork, felt and much more. Excellent adhesion to a variety of substrates, and is widely used in automotive applications. This product has been tested in skin contact applications and meets the requirements. Meets 21CFR175.105 indirect food contact requirements. The adhesive system has been approved for flammability per MVSS 302 and UL723, 25/50 Smoke/Spread.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1207	Stock	1.6 mil rubber / 1.4 mil rubber	0.5 PET	12pt / 61# / 76# / 80#	44" / 54" / 60"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1207-12-44	12pt / 44"	M1207-76-54	76# / 54"
M1207-12-60	12pt / 60"	M1207-76-60	76# / 60"

M1208

Constructed with heavy adhesive coat on both sides of the polyester film. This system is specially formulated to offer extremely high tack for a variety of laminating and substrate performing surfaces. Used in a variety of applications and especially attractive for porous and difficult to bond to substrates where the high coating weight will enhance adhesion.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1208	Custom	3.0 mil rubber / 3.0 mil rubber	0.5 PET	76# / 80#	44" / 54"

DOUBLE COATED TAPES



M1209

Unique construction providing a heavy air side coat weight to wet-out to irregular or difficult to stick to substrates. Applications include shoe assembly.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1209	Custom	3.0 mil rubber / 1.4 mil rubber	0.5 PET	12pt	54"

M1210

Aggressive, permanent adhesive that exhibits excellent wet-out to a variety of substrates from many plastics to metals. Air side adhesive offers a laminating system with high heat and dead weight shear properties. A clear, smooth pressure sensitive adhesive tape for laminating and mounting trade show graphics, exhibit walls, flexible displays and for closed cell foam bonding.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1210	Custom	1.3 mil rubber / 1.4 mil rubber	0.5 PET	76#	44" / 54" / 61"

M1211

Designed for economical general purpose performance. Good bonding characteristics to urethane and polyethylene foams, cork, felt and a wide range of plastics and metals. The adhesive provides heat resistance while maintaining good shear properties for a multitude of applications. Good bond to fabric batting in insulation applications where low odor is critical.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1211	Custom	1.6 mil rubber / 1.4 mil rubber	0.5 PET	80#	54" / 60"

M1212 Series

Developed for a wide use of end market applications. Excellent bond to urethane and polyethylene foams, closed cell rubbers, EPS, cork, felt and much more. Liner side adhesive exhibits excellent wet-out to a variety of substrates from many plastics to metals. Air side adhesive offers laminating system with high heat and dead weight shear properties. Widely used in automotive and appliance assembly designs.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1212	Stock	1.8 mil rubber / 1.4 mil rubber	0.5 PET	80#	54" / 60"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1212-12-54	12pt / 54"	M1212-76-44	76# / 44"
M1212-12-60	12pt / 60"	M1212-76-54	76# / 54"
M1212-60-54	60# / 54"	M1212-76-60	76# / 60"

DOUBLE COATED TAPES



M1213 Series

Constructed with aggressive, high temperature resistant, rubber based permanent adhesive systems. This adhesive maintains good plasticizer resistance. The polyester carrier offers dimensional stability for die-cut parts. Developed for applications requiring exceptional creep resistance where stress on the glue line could cause failure. It is ideal for porous materials. Listed and approved for many current automotive applications.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1213	Stock	2.0 mil rubber / 2.0 mil rubber	0.5 PET	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1213-12-54	12pt / 54"	M1213-76-54	76# / 54"
M1213-60-54	60# / 54"		

M1217 Series - Repositionable

Constructed with a repositionable adhesive on the liner side and a heavy coat weight, high temperature resistant, good shear adhesive on the air side. Used in a multitude of markets, especially where a temporary bond is required; adhering abrasives discs and materials to various disk holders, printing plates and where low adhesion is required on the end user side.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1217	Stock	2.5 mil rubber / 1.0 mil rubber	0.5 PET	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1217-61-54	61# / 54"	M1217-80-60	80# / 60"

M1219

Designed for rough or irregular surfaces, the PSA is constructed with a heavy coat weight, high temperature resistant, good shear adhesive on both the liner and the air side. The engineered heavy coating mass is designed for extrusion laminates, and bonds well to a multitude of surfaces, including foams, plastics, cork and paper.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1219	Custom	2.85 mil rubber / 2.85 mil rubber	0.5 PET	76#	60"

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DOUBLE COATED TAPES



M1222 Series - Removable/Repositionable

Constructed with a specially designed repositionable adhesive on liner side and general laminating adhesive on the air side. This PSA has a variety of unique, end-use applications, especially where a temporary bond is required, such as adhering abrasive discs and materials to various disk holders. Widely used in the optical market for lens grinding and for POP shelf marking.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1222	Stock	1.5 mil rubber / 1.37 mil rubber	0.5 PET	76#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1222-80-54	80# / 54"	M1222-80-60	80# / 60"

M1230 Series

PSA tape offering excellent shear, good temperature resistance and complies to anti-microbial / anti-fungal resistance test methods. Designed for bonding to urethane foam, closed cell sponge rubber, polyethylene foam, cork, felt and a wide range of applications, including plastic and metal.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1230	Custom	1.5 mil rubber / 1.5 mil rubber	0.5 PET	12pt / 61#	44" / 54"

M1250 Series - Repositionable

The substrate adhesive is engineered for temporary repositionability. The laminating adhesive is designed for bond to multiple stock including foams, cork, paper and film, abrasive materials, etc. Multiple industrial and automotive end use applications including industrial coated abrasives for sanding discs.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1250	Custom	2.0 mil rubber / 1.0 mil rubber	0.5 PET	61# / 76# / 80#	54" / 60"

M1272 Series

High adhesion PSA using a specially formulated synthetic rubber polymer. An economical, general purpose adhesive for bonding to closed cell foams, plastics and metals where a heavy coat weight is not required.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1272	Stock	1.25 mil rubber / 1.25 mil rubber	0.5 PET	61#	60"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
M1272-60-54	60# / 54"	M1272-61-54	76# / 60"
M1272-60-60	60# / 60"	M1272-76-60	76# / 60"

DOUBLE COATED TAPES



M1273

A high adhesion tape using a specially formulated synthetic rubber polymer. An economical, general purpose adhesive for bonding to closed cell foams, plastics and metals.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1273	Custom	1.25 mil rubber / 2.0 mil rubber	0.5 PET	61# / 76# / 80#	60"

M1275

Constructed with an aggressive permanent adhesive on both liner and airside. Provides excellent adhesion to a variety of substrates. Developed for a wide use of end market applications for bonding to urethane and polyethylene foams, closed cell rubbers, cork, felt and much more.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1275	Custom	1.3 mil rubber / 1.4 mil rubber	0.5 PET	76# / 80#	54"

M1276

A general purpose, high tack, high peel adhesive on the liner side and a special foam laminating adhesive on the air side. Designed to provide excellent adhesion to most ether, and ester urethane foams as well as low density sponge rubber and polyethylene foams. The adhesive on the liner side provides excellent adhesion to metal, ABS, polypropylene, polyethylene and other low surface energy materials. Typical uses include wire harness wrap and HVAC general purpose designs.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1276	Custom	1.5 mil rubber / 1.1 mil rubber	0.5 PET	60#	54" / 60"

M1292

An aggressive permanent adhesive both sides. Developed for a wide use of end market applications for bonding to urethane and polyethylene foams, closed cell rubbers, cork, felt and flock. Excellent adhesion to a variety of substrates including LSE plastics. Used widely in automotive and appliance markets.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1292	Custom	1.6 mil rubber / 1.6 mil rubber	0.5 PET	2M PET	50"

M1298

Pressure sensitive tape engineered for economical, general purpose applications. Provides an excellent foam laminating system, especially if no heat can be applied during lamination. Good temporary and permanent assembly aid for multiple industries including film bag closure bonding. Good wet-out liner side to LSE plastics and substrates.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1298	Custom	1.25 mil rubber / 1.25 mil rubber	0.5 PET	60#	60"

DOUBLE COATED TAPES



M1335

Constructed with an aggressive high shear, high temperature resistant, permanent adhesive on both liner and air sides. Designed for applications which require high tack, exceptionally strong shear, peel strength and robust performance. Excellent performance in a wide variety of environmental conditions. Excellent performance under dead load stress. Initially sticks and maintains bond to very low surface energy materials, including difficult to stick to shrink wrap plastics.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1335	Custom	2.4 mil rubber / 2.4 mil rubber	0.5 PET	60# / 80#	54"

M1390

A pressure sensitive adhesive developed for applications requiring exceptional creep resistance where stress on the glue line could cause failure with less robust adhesives. The product is ideal for porous materials. The polyester carrier offers dimensional stability for die-cut parts.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
M1390	Custom	1.8 mil rubber / 1.3 mil rubber	0.5 PET	60# / 80#	54"

T1521

A low VOC tape constructed with a non-woven carrier to provide the conformability of an unsupported transfer tape and the process ability of a double coated tape. The air side laminating adhesive provides a dynamic bond to a wide range of foams and rubbers, including crushed EPDM blends. The liner side adhesive is engineered for excellent wet out to low surface energy plastics while maintaining chemical and heat resistance with good shear properties. The tissue carrier promotes conformability for difficult design applications. Suitable for a wide range of automobile interior applications.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
T1521	Stock	1.8 mil rubber / 1.5 mil acrylic	20# tissue	80#	54"

T1538

A higher performing, low VOC non-woven tape, constructed with a specially formulated adhesive system on the liner and air side. The non-woven carrier offers additional dimensional support and enhanced die cutting capability. Provides excellent adhesion to a variety of substrates. Predominantly used in industrial, appliance and electrical markets for multipurpose gasketing and spacer designs. Thicker adhesive mass lends greater wet-out to irregular and difficult to stick to substrates.

Product	Type	Adhesive (air side / liner side)	Carrier	Liner(s)	Width
T1538	Custom	2.0 mil acrylic / 2.0 mil acrylic	20# tissue	80#	54"

TRANSFER TAPES



TF1550

A high performance PSA tape developed as superior foam laminating system. Maintains good high and low temperature range. Good chemical resistance for low perm, ether, ester and PVC foam applications. This product is not recommended for bonding to cross linked polyethylene.

Product	Type	Adhesive	Liner(s)	Width
TF1550	Custom	1.0 mil acrylic	12pt / 61# / 76#	54"

TF1551

A lower coat weight PSA tape developed as superior foam laminating system. Exceptional high temperature and chemical resistant properties. For low perm, ether, ester and PVC foams. End use applications include name plates, membrane switches, labels and more. This product is not recommended for bonding to cross linked polyethylene.

Product	Type	Adhesive	Liner(s)	Width
TF1551	Custom	1.5 mil acrylic	12pt / 61# / 76#	54"

TF1552 Series

A high performance transfer tape developed as superior foam laminating PSA system. Maintains a good high and low temperature range. Good chemical resistance for low perm, ether, ester and PVC foams. End use applications include name plates, membrane switches, labels and more. This product is not recommended for bonding to cross linked polyethylene.

Product	Type	Adhesive	Liner(s)	Width
TF1552	Stock	2.0 mil acrylic	76#	54"

Stock products are also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1552-76-60	76# / 60"	TF1552-12-54	12pt / 54"
TF1552-4BPE-60	4mil PE / 60"	TF1552-76-60	76# / 60"

TF1553 Series

A high temperature, high shear PSA with good chemical resistance. Excellent for low perm, ether, ester and PVC foam applications. Designed for a wide range of end-use applications including name plates, membrane switches, labels and more. This product is not recommended for bonding to cross linked polyethylene.

Product	Type	Adhesive	Liner(s)	Width
TF1553	Stock	3.0 mil acrylic	76#	54"

Stock products are also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1553-76-60	76# / 60"	TF1553-12-54	12pt / 54"

TRANSFER TAPES



TF1555

A high performance transfer tape uniquely developed as superior foam laminating system. Maintains good high and low temperature range. Good chemical resistance for low perm, ether, ester and PVC foam applications. End use applications include name plates, membrane switches, labels and more. This product is not recommended for bonding to cross linked polyethylene.

Product	Type	Adhesive	Liner(s)	Width
TF1555	Custom	5.0 mil acrylic	76#	54"

TF1571

Designed to promote excellent wet-out to a variety of substrates especially low surface energy plastics. Tacky adhesive, yet provides heat resistance with good shear properties for a multitude of applications.

Product	Type	Adhesive	Liner(s)	Width
TF1571	Custom	1.5 mil acrylic	76# / 80#	54" / 60"

TF1572 Series

A tacky adhesive, yet provides heat resistance with good shear properties. Designed to promote excellent wet-out to a variety of substrates especially low surface energy plastics. Represented in a wide range of markets including general bonding, flock and gasketing. Excellent tape for the automotive industry, which may specify an acrylic while requiring high strength properties to extruded and molded parts. Used in anti-squeak and rattle assembly designs.

Product	Type	Adhesive	Liner(s)	Width
TF1572	Stock	2.0 mil acrylic	76#	54"

Stock products are also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1572-76-60	76# / 60"	TF1572-12-54	12pt / 54"

TF1573 Series

A high tack adhesive that promotes excellent wet-out to a variety of substrates including low surface energy plastics. Provides heat and plasticizer resistance with good shear values for a multitude of applications. Represented in a wide range of markets including general bonding, flock and gasketing.

Product	Type	Adhesive	Liner(s)	Width
TF1573	Stock	3.0 mil acrylic	76#	54"

Stock products are also available in the following custom constructions:

Product Number	Liner / Width
TF1573-76-60	76# / 60"

TRANSFER TAPES



TF1574 Series

High tack while providing heat and good shear values for a multitude of applications. Thick coat weight for excellent conformability and bonding to uneven surfaces. PSA performance is compliant to cold temperature exposure, such as cold shock testing per GM3607 at -30°F. Represented in a wide range of markets including general bonding, flock and gasketing.

Product	Type	Adhesive	Liner(s)	Width
TF1574	Stock	4.0 mil acrylic	76#	54"

Stock products are also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1574-60-54	60# / 54"	TF1574-76-60	76# / 60"

TF1582 - TF1585

Transfer tape uniquely developed for high bond applications. Maintains a good high and low temperature range. Great bonding agent for low surface energy assemblies, for both sheeting and roll goods converting needs. Applications include name plates, membrane switches, drum labels and more.

Product	Type	Adhesive	Liner(s)	Width
TF1582	Custom	2.0 mil acrylic	76#	54"
TF1583	Custom	3.0 mil acrylic	76#	54"
TF1584	Custom	4.0 mil acrylic	76#	54"
TF1585	Custom	5.0 mil acrylic	76#	54"

TF1590 - TF1594

An economical acrylic transfer tape featuring high dead load shear and excellent temperature resistance. Engineered for high performance HVAC foil tapes and interior cab assembly. Great bond to PVNs, Zotefoams, EFOs and more. Excellent low surface energy bonding to multiple substrates.

Product	Type	Adhesive	Liner(s)	Width
TF1590	Custom	1.0 mil acrylic	61# / 76#	54" / 60"
TF1592	Custom	2.0 mil acrylic	61# / 76#	54" / 60"
TF1593	Custom	3.0 mil acrylic	61# / 76#	54" / 60"
TF1594	Custom	4.0 mil acrylic	61# / 76#	54" / 60"

TRANSFER TAPES



TF1842

Permanent PSA ideal for bonding dissimilar surfaces together with a strong and secure bond. With a broad adhesion profile and aggressive bonding capabilities, this is an ideal solution for difficult bonding applications. Excellent wet-out to a wide range of substrates, especially LSE plastics including TPO. The aggressively tacky adhesive provides heat resistance and shear properties for a multitude of applications.

Product	Type	Adhesive	Liner(s)	Width
TF1842	Custom	1.85 mil acrylic	60# / 76#	54" / 60"

TF1111 Series

Specially formulated adhesive system yields dynamic bond strength to a variety of foams and rubbers, corks, nonwovens, metals, plastics and more. Applications represent a wide range of markets including graphic arts, gasketing, general bonding and automotive.

Product	Type	Adhesive	Liner(s)	Width
TF1111	Stock	1.4 mil rubber	61#	60"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1111-61-54	61# / 54"	TF1111-80	80# / 54" and 60"

TF1112

A specially formulated adhesive system provides high tack, quick stick and is excellent on low surface energy substrates. Provides dynamic bond strength to many substrates, including foams, rubbers, corks, nonwovens, metals, plastics and more. Used in a wide range of markets including, graphic arts, gasketing, general bonding and automotive.

Product	Type	Adhesive	Liner(s)	Width
TF1112	Custom	2.0 mil rubber	12pt / 61# / 76# / 80#	44" / 54" / 60"

TF1113 Series

A specially formulated adhesive system designed for excellent wet-out to a wide range of substrates, yielding dynamic bond strength to foams, rubbers, corks, non-wovens, metals, plastics and more. Heavy coat weight enhances adhesion to irregular and porous surfaces.

Product	Type	Adhesive	Liner(s)	Width
TF1113	Stock	3.0 mil rubber	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1113-12-54	12pt / 54"	TF1113-80-60	80# / 60"
TF1113-76-60	76# / 60"		

TRANSFER TAPES



TF1115 Series

Adhesive system with a heavy coat weight to enhance adhesion to irregular and porous surfaces. For difficult bonding tasks on a variety of foams and rubbers, corks, non-wovens, metals, plastics and more. Markets include, graphic arts, gasketing, general bonding and automotive.

Product	Type	Adhesive	Liner(s)	Width
TF1115	Stock	5.0 mil rubber	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1115-80-60	80# / 60"		

TF1122

A unique unsupported adhesive film designed to offer exceptional holding power to a wide variety of substrates. The adhesive system offers high peel adhesion and laminates well to a wide variety of cellular materials including polyethylene foam, urethane foams, sponge rubber and more. Utilized in graphic arts applications for industrial high performance labels where excellent temperature resistance and high adhesion levels are required.

Product	Type	Adhesive	Liner(s)	Width
TF1122	Custom	2.0 mil rubber	80#	54" / 60"

TF1123 Series

No VOC / low fogging transfer film, designed for exceptional holding power to a wide variety of substrates. Offers high peel adhesion, excellent shear and can withstand high temperature exposure. This construction lends versatility in demanding automotive, appliance, graphics, industrial and electronics applications. Excellent for porous surfaces, urethane foam and polyethylene applications, where conformability, high adhesion and temperature resistance are essential.

Product	Type	Adhesive	Liner(s)	Width
TF1123	Stock	3.0 mil rubber	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1123-80-60	80# / 60"	TF1123-12-60	12pt / 60"
TF1123-12-54	12pt / 54"	TF1123-61-60	61# / 60"
TF1123-90MG-60	90# GL / 60"	TF1123-B4PE-60	4mil PE / 60"

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TRANSFER TAPES



TF1125 Series

A unique transfer film designed to offer exceptional holding power to a wide variety of substrates. Laminates well to a variety of cellular materials including polyethylene and urethane foams, sponge rubbers and more. Maintains good plasticizer and chemical resistance properties. PSA performance is compliant to cold temperature exposure, such as cold shock testing per GM3607 at -30°F. End use applications include graphic arts, gasketing, general bonding and automotive.

Product	Type	Adhesive	Liner(s)	Width
TF1125	Stock	5.0 mil rubber	80#	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1125-80-60	80# / 60"	TF1125-76-54	76# / 54"
TF1125-12-54	12pt / 54"		

TF1142

Unsupported transfer tape with a specially formulated adhesive system designed for foam lamination. Laminates well to many urethane foams where conformability and a deep foam bond are required. Used predominately in HVAC foam gasketing design assembly.

Product	Type	Adhesive	Liner(s)	Width
TF1142	Custom	1.8 mil rubber	60#	54"

TF1182 Series

A unique unsupported adhesive film designed to offer exceptional holding power to a wide variety of substrates. The adhesive system offers high peel adhesion and laminates well to a wide variety of cellular materials including polyethylene foam, urethane foams, sponge rubber and more. Utilized in graphic arts applications for industrial high performance labels where excellent temperature resistance and high adhesion levels are required. Compliant for biological growth, fungal resistance per ASTM D4300. Meets a variety of automotive adhesive specifications.

Product	Type	Adhesive	Liner(s)	Width
TF1182	Stock	2.0 mil rubber	12pt	54"

Also available in the following custom constructions:

Product Number	Liner / Width	Product Number	Liner / Width
TF1182-12-60	12pt / 60"	TF1182-80-54	80# / 54"

REINFORCED TRANSFER TAPES



SSA1845 Series

Unique reinforced transfer tape construction functions as an aggressively tacky, general purpose laminating tape. Ideal for applications that require the ability to adapt and form to a curved surface. High adhesive mass for excellent adhesion to multiple laminates and substrates and where cohesive strength is an advantage for difficult part design. Construction engineered for easier liner removal on structurally weak substrates.

Adhesive proven bonding to LSE substrates including TPO.

Excellent tape for the automotive industry, which may specify an acrylic while requiring high strength properties to extruded and molded parts. Used in nameplate and assembly aid designs. Good UV and chemical resistance.

Product	Type	Adhesive	Liner(s)	Width
SSA1845	Custom	4.5 mil acrylic	PET / PE / 76#	54" / 60"

SSA1593 Series

A reinforced transfer tape coated on synthetic fiber netting. This unique transfer tape functions as an excellent general purpose laminating tape. It is ideal for applications that require the ability to adapt and form to a curved surface. The adhesive system provides dependable adhesion to a wide variety of foams and substrates. Excellent construction engineered for easier liner removal on structurally weak substrates such as high loft polyester and low, thin gauged ILD foams and other nonwovens.

Product	Type	Adhesive	Liner(s)	Width
SSA1593	Custom	3.0 mil acrylic	76# / 90 MG	54" / 60"

SSA1594 Series

A high adhesive coat weight transfer tape reinforced with synthetic fiber netting. This excellent general purpose laminating tape provides high tack, quick stick making it ideal for applications that require the ability to adapt and form to a curved surface. The adhesive system provides dependable adhesion to a multiple laminates and substrates. Excellent construction engineered for easier liner removal on structurally weak substrates such as high loft polyester.

Product	Type	Adhesive	Liner(s)	Width
SSA1594	Custom	4.0 mil acrylic	76# / 90 MG	54" / 60"

REINFORCED TRANSFER TAPES



SSA1112 Series

A reinforced transfer tape coated on synthetic fiber netting. This unique transfer tape construction functions as an excellent general purpose laminating tape. Ideal for applications that require the ability to adapt and form to a curved surface. The high tack adhesive provides dependable adhesion to a wide variety of foams.

Product	Type	Adhesive	Liner(s)	Width
SSA1112	Custom	2.5 mil rubber	2M PET / 76# / 90 MG	54" / 60"

SSA1113 Series

A reinforced transfer tape coated on synthetic fiber netting. This unique tape construction functions as an excellent general purpose laminating tape. It is ideal for applications that require the ability to adapt and form to a curved surface. The high tack adhesive provides dependable adhesion to a wide variety of foams.

Product	Type	Adhesive	Liner(s)	Width
SSA1113	Custom	3.0 mil rubber	2M PET / 76# / 90 MG	54" / 60"

SSA1123 Series

An excellent general purpose reinforced transfer tape coated on synthetic fiber netting. This laminating tape is constructed with a high tack adhesive system that provides dependable adhesion to a wide variety of foams and substrates. The net reinforced construction provides high tensile strength, stability when die cutting and structural strength to finished parts. Ideal for applications that require the ability to adapt and form to curved surfaces. Used in many industrial and automotive applications where part conformity and liner removal are critical. Excellent alternative for pipe wrap type assembly tape.

Product	Type	Adhesive	Liner(s)	Width
SSA1123	Custom	3.0 mil rubber	2M PET / 76# / 90 MG	54" / 60"

CCT (Coating and Converting Technologies) product information is recommended as a general reference guide. All published materials and information concerning CCT products are based on information CCT believes to be reliable, but such information does not constitute a warranty. Because of the variety of possible uses of CCT products and the continuing development of new uses, the buyer should carefully consider the fitness and performance for each intended use and the buyer assumes all risks in connection with such use.

AUTOMOTIVE SPECIFICATION TESTING REFERENCE

CCT Tapes has a long history as a supplier of tapes for automotive and other transportation applications. Our products have been approved against many specifications from a broad range of industry OEMs including Ford, General Motors, Chrysler, Toyota and more. The products listed have been tested and meet the requirements of the automotive adhesive specifications.



Additional products are added periodically, please contact our Technical Services Department for updates, additional information, support documentation, or verification.

Product recommendations are to be used as a guide. The best product choice for an application is dependent upon the materials being bonded, the lamination process and the long term environment of the application. CCT recommends that the user test the adhesive and other material for the application to determine compatibility.

Chrysler

Specification	Product
MS-AY301	M1211 TF1111 TF1112 TF1123 TF1125
MS-AY349 B1/B2	M1207 M1211 M1212 M1230 M1511 M1516 TF1113 TF1115 TF1125
MS-AY349 gr. 1&2	M1207 M1211 M1212 M1213 M1230 M1511 M1516 TF1113 TF1115 TF1125
MS-AY349C1/C2	M1207 M1211 M1212 M1230 M1511 M1516 TF1113 TF1115 TF1125
MS-AY350	M1511
MS-AY355 C	M1521 M1522 M1523
MS-AY358	M1211 M1511 M1523
MS-AY430	M1511 TF1182
MS-AY516 Type B	M1519
MS-AY522	M1207
MS-AY550	M1207 M1208 M1522 T1521 TF1123
MS-JZ8-22	TF1572
PF-10770 *	M1206 M1207 M1208 M1211 M1212 M1213 M1230 M1511 M1516 TF1113 TF1115 TF1125 TF1572

* Replaces MS-CC211 obsolete specification.

Toyota

Specification	Product
TSK5702G - CLASS 1	M1207 M1213 TF1123
TSK6505G - CLASS C	M1212 M1213 T1521
TSK6712G - CLASS 1	M1511 M1516 M1523 TF1553

Delphi

Specification	Product
SD2-324	M1230 M1511 M1516 M1523 TF1182

Ford

Specification	Product
ESA-M3G170-A	M1521 TF1573
ESA-M11P19-A	FT1802 FT1803 M1207 M1212 M1511 M1516 M1522 TF1113 TF1123 TF1573
ESB-M11P8-A	M1207 M1208 M1211 M1212 M1230 M1280 M1511 M1516 M1522 M1523 TF1113 TF1115 TF1122 TF1123 TF1125 TF1182 TF1572
ESB-M3G76-B2	M1207 M1511 M1516 M1521 M1523 TF1182
ESB-M6G17-A	M1522 TF1573
ESF-M11P5-A & B	M1207 M1211 M1212 M1230 M1511 M1516 TF1113 TF1115 TF1123 TF1125
ESH-M11P19-A	FT1921 M1207 M1211 M1212 M1230 M1511 M1516
ESH-M11P19-B	M1230 M1511 M1516 TF1182
ESH-M11P40-A	M1207 M1511 TF1123 TF1182
WSA-M11P19-C	M1511 M1516 M1523
WSB-M3G102-B	TF1125
WSB-M3G212-A	TF1182
WSF-M11P8-A2	M1207 M1511 TF1125 TF1182
WSS-M11P62-A	M1206 M1207 M1516 M1522 TF1113 TF1115 TF1125 TF1572

General Motors

Specification	Product
GM3602M cycle 1 & 3	M1207 M1211 M1212 M1213 M1230 M1511 M1516 TF1111 TF1112 TF1113 TF1115 TF1123 TF1125 TF1182 TF1552 TF1553 TF1573
GM6420M	M1207 M1280 M1511 TF1572 TF1573
GM9985281	M1207 M1213 M1516 M1522 TF1574
GMW14892	M1207 M1212 M1516 M1519 TF1572
GMW15473	M1207 TF1573
GMW16443 - Type 1*	M1207 M1208 M1212 M1213 M1230 M1511 M1516 M1521 M1523 TF1113 TF1123 TF1182 TF1553
GMW16443 - Type 2*	M1207 M1208 M1212 M1213 M1230 M1511 M1516 M1522 TF1113 TF1123 TF1182 TF1572

* Replaces GM3607M Type I & II and GM3622 IV Cycle E (I, II & III) obsolete specifications.

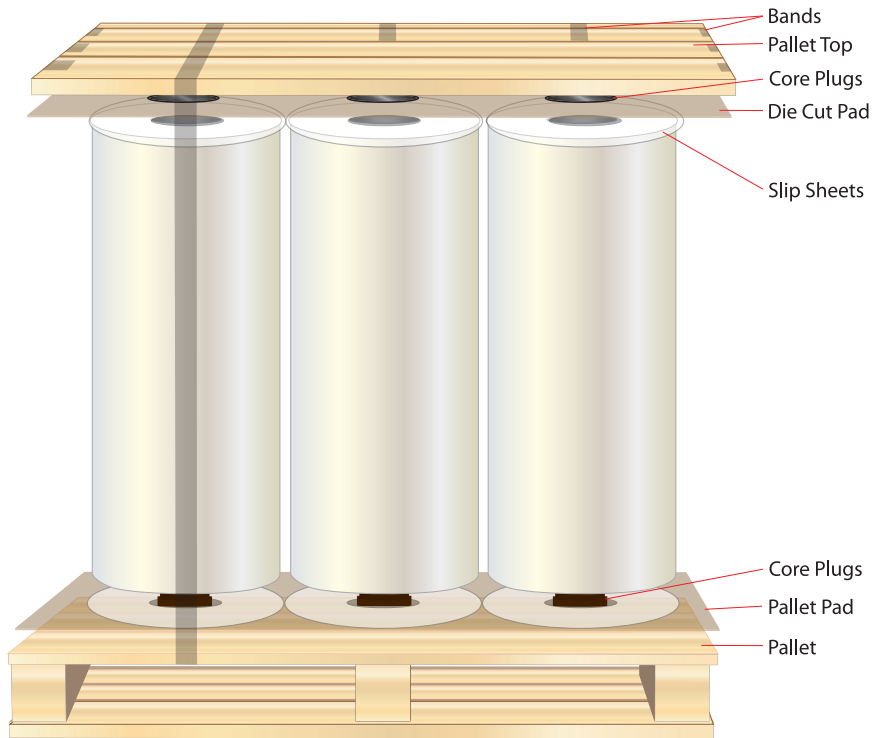
Additional Specifications

Specification	Product
UL 25/50, ASTM E84	M1207 M1523
ASTM D4300 Biological Growth, Fungal Resistance	M1207 M1230 M1511 M1516 M1523
Low VOC - Nissan, NES M 0403	T1538 T1521
MVSS 302 Flammability (adhesive only, foil backed)	Most CCT products, please contact us for more information.

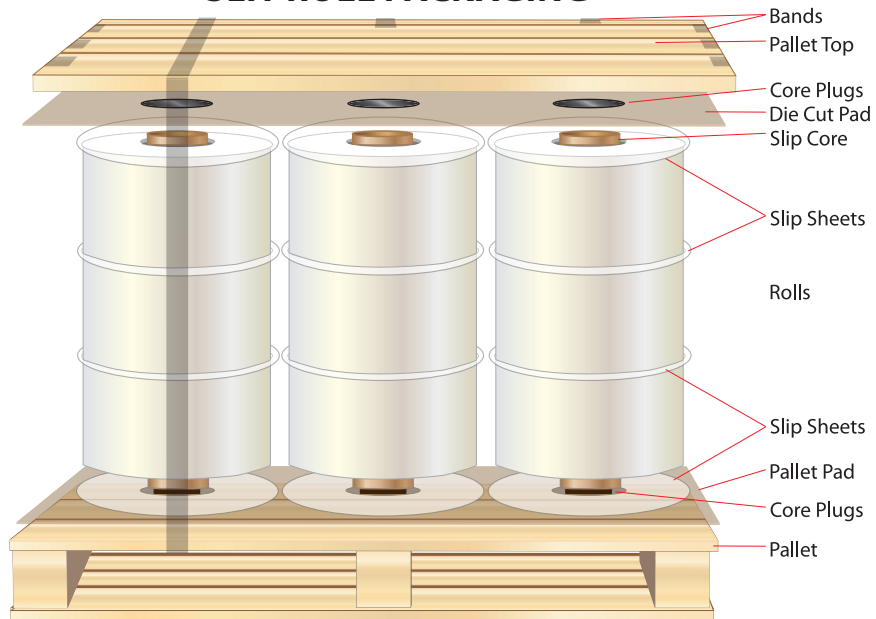
STANDARD PACKAGING

PSA rolls are pallet packed as illustrated below. Pallet size and configuration are setup to best match roll width, length and quantity. Each stack of rolls are individually bagged with thick polyethylene bags. The pallets are stretch wrapped as a last step in packaging. A minimum of five wraps are used for added protection and stability. Custom packaging and boxing is available for an additional charge.

BULK PACKAGING 9 ROLL CONFIGURATION



SLIT ROLL PACKAGING



ORDERING INFORMATION

Our customer support team is ready to assist you. Please contact us if you need product, technical or application assistance.

Phone: 215-271-0610

Sales: Sales@CCTtapes.com

Customer Service: Customer.Care@CCTtapes.com

CCT pressure sensitive adhesive tapes are manufactured at 44", 54" and 60" wide, as standard, with wider widths available.

For narrower width rolls, slitting services are available. Our slitting capability provides everything from edge trimming down to 0.25" slit widths. For slit sizes of 6" and greater, slit roll pricing is based on the full web width of the master roll. Total yield of the master width including any resulting offcut will be billed.

Converter roll lengths are typically 750 up to 3,000 linear feet. Longer rolls may be available based on product, raw materials and CCT manufacturing limitations. Contact your CCT Technical Sales Representative for availability and pricing.

CCT prices and sells products in \$/MSI (\$/thousand square inches). The conversion factors listed here will help change MSI to alternative units of measure.

MSI	Square Feet	MSI	Square Yards	MSI	Square Meters
1	6.944	1	0.772	1	0.645
0.144	1	0.1296	1	1.55	1

Conversions for standard roll sizes

Roll Size	MSI	Square Feet	Square Yards	Square Meters
44" x 750'	396	2,750	305.7	255.5
54" x 750'	486	3,375	375	313.5
60" x 750'	540	3,750	416.9	348.3

Roll Width	MSI to Linear Feet	Linear Feet to MSI
44"	1.894 x MSI	0.528 x LF
54"	1.548 x MSI	0.648 x LF
60"	1.389 x MSI	0.720 x LF

1. Parties. Coating and Converting Technologies, Inc, will be referred to as CCT and the person or company purchasing will be referred to as "Purchaser". All materials, goods, or work described herein, regardless of type, will be referred to as "Products".

2. Price and Payment: The price stated on the Sales Order Acknowledgement and the Invoice is FOB origin, unless otherwise agreed to in writing by CCT. The prices stated on the invoice do not include any sales, use or other taxes unless so stated specifically. All prices are subject to change without prior notice; however, prices shall be those contained in the CCT Price Quotation covering the products offered and in effect on the "Ship Date" noted on the CCT Sales Order.

Unless otherwise specified by CCT, payment is due in full 30 days from invoice date. Invoices not paid 30 days after their due date, will be subject to carrying charges. Carrying charges shall accrue and be added to the overdue unpaid balance at the rate of 1½% per month, or the maximum allowed by law, whichever is less. If the Purchaser fails to make any payment due, CCT may at its option defer further manufacture, or shipment of orders, or cancel any orders until such payment is made. The Purchaser agrees to pay any and all costs and expenses of collection, including attorney fees incurred by CCT.

3. Shipment and Transportation Charges: Unless otherwise specified by CCT in writing, all shipments shall be FOB origin. All shipments shall be via motor carrier selected by Purchaser. Risk of loss shall pass to Purchaser upon pickup by carrier at CCT's dock, regardless of the freight payment terms. All delivery dates are approximate and partial deliveries are permissible. CCT reserves the right to ship all orders up to 5 days prior to the expected ship date. CCT shall not be liable for damages of any description arising from delay in shipment or delivery.

Shipment of Products shall be subject to Purchaser maintaining credit standing satisfactory to CCT. CCT may delay or suspend shipment at any time, pending receipt of adequate assurances from Purchaser (in CCT's sole discretion) of Purchaser's ability to pay. CCT may require payment in full, or partial prepayment, or payment of any, or all, outstanding amounts owed before shipment of the Products. CCT shall be entitled to cancel Purchaser's order in the event Purchaser fails to provide adequate assurances, without further liability or obligation to Purchaser.

4. Changes/Cancellation: Orders placed and accepted by CCT (all orders are subject to acceptance by CCT's corporate office) may not be changed or cancelled except upon terms that will fully compensate CCT against loss. Orders for non-standard or custom products manufactured to Purchaser's specifications may be cancelled only prior to the commencement of manufacture and only to the extent that CCT is able to cancel orders for raw materials ordered for the manufacture of such products. Purchaser shall be liable to CCT for the cost of such materials and all tooling and set-up costs.

5. Returned Products/Claims: Risk of loss or damage during shipment is upon Purchaser. Any claim for loss or damage to Products during shipment shall be made by the Purchaser to the freight carrier.

Within fifteen (15) days after delivery to Purchaser of Products, Purchaser must give written notice to CCT of any claim by the Purchaser based on the condition, quality or grade of products, shortages, or of any claimed nonconformity with Purchaser's

specifications. Failure to give timely notice in accordance with this paragraph shall bar any claim with regard to same, shall constitute irrevocable acceptance by Purchaser of the Products and shall bind the Purchaser to pay full invoice price thereof. Accepted products shall not be returned without CCT's prior written consent and issuance of a Return Material Authorization (RMA) number and designated freight carrier.

6. Force Majeure: CCT shall not be liable for delays or defaults in the delivery caused by accidents, strikes, fires, floods, acts of God or public enemy, labor unrest, shortages of raw material, fuel or labor, interruption of transportation, governmental regulation or restriction, or any causes outside the Seller's reasonable control.

7. Limitation of Liability: In no event shall CCT be liable for any incidental or consequential damages, including but not limited to, loss of profit, loss of use of production, loss of capital, or loss of material. Purchaser's remedies are limited to set forth herein are exclusive and the total liability of CCT with respect to any contract, or anything done in connection therewith such as the performance or breach hereof, or from the manufacture, sale, delivery, resale, installation or use of products whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, shall not exceed the purchase price of the products upon which the liability is based.

8. Limited Warranty: Unless stated otherwise in CCT's literature, packaging inserts or product packaging for individual products, CCT warrants that each CCT product meets the applicable specifications at the time CCT ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. CCT makes no other warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or any implied warranty arising out of a course of dealing, custom or usage of trade. Purchaser is responsible for determining whether the CCT product is fit for a particular purpose and suitable for Purchaser's application. If the CCT product is defective within the warranty period, Purchaser's exclusive remedy and CCT's and seller's sole obligation will be, at CCT's option, to replace the product or refund the purchase price.

9. Overrun: CCT, reserves the right to deliver an overrun or under run not to exceed the range specified on the face of the quote.

10. Assignment: Purchaser may not assign its rights or obligations hereunder without the prior written consent of CCT and any purported assignment without such consent shall be void and of no effect.

11. Entire Agreement: The provisions contained on the CCT Sales Order Acknowledgement hereof are incorporated into these terms and conditions of sale by reference. Purchaser and CCT acknowledge that these terms and conditions of sale, together with CCT's invoice, constitute the entire agreement between Purchaser and CCT with regard to the sale or transfer of the products and supersede all prior oral or written statements of any kind made by the parties or their representatives. These terms and conditions of sale may not be amended, modified or supplemented except by written agreement executed by the Purchaser and CCT. The terms and conditions of sale are hereby deemed by the parties to be severability and the invalidity of unenforceability of one provision shall not affect the validity and enforceability of any other provision.



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