



PRODUCT GUIDE

THE GUARANTEE EDITION

STM delivers **custom ideas**,
industry **leading expertise**,
and **popular products**.

WELCOME TO STM

Welcome to STM's newest Product Guide.

Every product in this catalog is backed by the STM Guarantee. This catalog was designed to make product selection easy with application reference guides to show you our recommendations for each tape use. The guides are broken into 3 categories: Assembly/Bonding, Masking, and Splicing. Use the guides as a selector tool to see which items are rated good, better, best or not recommended.

Our full-line tape manufacturing facility specializes in optimization of adhesion and cohesion properties to suit a wide variety of processes and needs. These include transfer tapes, single and double-coated tapes with silicone, acrylic, and rubber-based adhesives. Some of the industries that we take pride in serving are: Splicing, Surface Finishing, Industrial Assembly, Aerospace, Electronics, Sealing, Construction and Trades.

This catalog highlights some of our best products with 34 products featured as our top items. Please refer to your contact person to find out more about our (other) products.

Let us bring our expertise in the adhesive industry, partnership programs to help your business grow, American made products, unmatched quality, and unbeatable customer service to you. We have a global reach with a small company attitude.

We are glad to have you as a customer and we guarantee total product and service satisfaction.

STM Tapes at a Glance.

STM GUARANTEED TAPES

We ensure that we always have your need for tapes in our stock (based on our joint agreements).

STM NON-STOCK CATALOG TAPES

Full-case/log orders will be entered via standard order process. Lead time is up to 30 days for standard lengths, and pricing is determined via the STM Price List.

STM SPECIAL TAPES

Tapes that are not in the catalog which are primarily custom items produced in high volume for one customer. Lead time will be determined by the STM production team. Pricing will be set up through a contract pricing agreement.

STM CUSTOM TAPES

STM has the expertise to turn ideas into reality and the know-how to manage the development process. We begin with the qualification and work through the process of initial laboratory testing and design, to full-scale trials and final production to design tapes to meet our customer's demands.



Assembly & Bonding Charts

G = Good **B** = Best
Bt = Better **NR** = Not Recommended

Assembly

	Convert/Mount/Signs	Electrical Insulation	Gasket/Fab Assembly	General Purpose	Glass/Metals	Low Energy Surfaces	Paper/Cardboard	Plastics/Vinyl/PVC	POP	Silicone Foams/Rubbers	Wood/Rough Surfaces	Page #
S1032	NR	G	Bt	B	Bt	B	B	B	G	NR	Bt	6
S791	G	G	G	NR	Bt	G	G	Bt	NR	NR	G	7
S922	NR	G	G	NR	Bt	NR	NR	Bt	NR	NR	NR	8
D1100	G	NR	G	B	Bt	G	Bt	G	Bt	NR	NR	33
D1104	B	NR	G	G	G	Bt	B	Bt	Bt	NR	B	34
D1108	Bt	NR	G	B	Bt	NR	Bt	G	Bt	NR	G	39
D2525	Bt	NR	G	Bt	Bt	G	Bt	Bt	G	NR	G	35
D2526	Bt	NR	G	Bt	Bt	G	Bt	Bt	G	NR	G	36
D347	G	NR	NR	Bt	G	NR	G	G	G	NR	NR	37
D513	G	NR	G	Bt	G	NR	B	G	Bt	NR	G	40
D670	B	NR	Bt	Bt	Bt	B	B	Bt	Bt	NR	B	29
D739	G	NR	G	G	Bt	B	B	B	G	NR	B	30
D969PK	G	NR	Bt	NR	Bt	B	G	B	NR	B	G	41
D990	B	NR	Bt	G	Bt	Bt	B	Bt	B	NR	Bt	38
D991	B	NR	Bt	G	Bt	Bt	B	Bt	B	NR	G	32

Bonding

S193PU	B	NR	NR	B	Bt	G	G	Bt	G	NR	NR	12
S633	NR	G	G	NR	Bt	Bt	NR	Bt	NR	B	NR	25
S768O	NR	B	G	NR	G	Bt	NR	G	NR	Bt	NR	17
S768OAS	NR	B	G	NR	G	Bt	NR	G	NR	Bt	NR	17
S770O	NR	B	G	NR	G	Bt	NR	G	NR	Bt	NR	18
S945RD	NR	G	G	G	Bt	B	NR	Bt	NR	B	NR	20
D293YL	NR	NR	B	NR	B	B	NR	B	NR	B	NR	14
D969PK	G	NR	Bt	NR	Bt	B	G	B	NR	B	G	41



Masking & Splicing Charts

G

Bt

=

=

Good

Better

B

NR

=

=

Best

Not Recommended

Masking	Anodizing	E-Coating	Galvanizing	Plating	Powder Coating	Wave Soldering	Wet Spray	Page #
S192	G	G	NR	G	NR	NR	B	11
S193PU	Bt	Bt	NR	Bt	NR	NR	B	12
S1199	G	G	G	G	B	Bt	NR	21
S294BL	Bt	Bt	NR	Bt	G	NR	G	24
S295	G	G	NR	G	B	NR	G	15
S633	NR	NR	NR	NR	Bt	NR	NR	25
S768O	Bt	Bt	NR	Bt	Bt	Bt	NR	17
S768OAS	Bt	Bt	NR	Bt	Bt	Bt	NR	17
S7700	G	G	NR	Bt	G	G	NR	18
S913	B	B	NR	B	NR	NR	Bt	19

Splicing	Core Startup (Cardboard)	Core Startup (Metal)	Film	LSE Films	Paper	Siliconized Liner	Page #
S1032	NR	NR	Bt	Bt	Bt	NR	6
S291BL	NR	NR	Bt	Bt	NR	Bt	22
S292PK	NR	G	Bt	Bt	NR	Bt	23
S293YL	G	Bt	B	B	G	B	14
S295	NR	NR	G	Bt	NR	Bt	15
S599RD	NR	NR	G	Bt	NR	B	27
S913	G	Bt	B	B	G	B	19
S945RD	NR	G	Bt	Bt	NR	Bt	20
S998GR	NR	G	Bt	Bt	NR	Bt	26
D1100	Bt	Bt	Bt	NR	Bt	NR	33
D293YL	G	B	B	B	G	B	14
D513	G	G	G	NR	B	NR	40
D644	G	Bt	Bt	B	NR	B	43
D670	G	G	Bt	Bt	B	NR	29
D739	G	G	B	B	B	NR	30
D786	Bt	G	B	Bt	B	NR	31
D990	B	B	Bt	G	Bt	NR	18
D991	B	B	Bt	G	Bt	NR	38
D969PK	B	B	Bt	Bt	Bt	Bt	41



S1032

High-Tack Acrylic Splicing/Bonding Tape



- » Carrier: Polyester/2.0 mil
- » Adhesive/Thickness: Acrylic/2.0 mil
- » Total Tape Thickness: 4.0 mil
- » Adhesion to Steel: 60 oz/in

Product description

You will find excellent resistance to solvents, heat and chemicals with this tough polyester backed tape. It has an extremely aggressive acrylic adhesive system, which offers quick bonding and a permanent stick to a variety of surfaces. It displays high resistance to acids, staining, and water absorption. It has low stretch and long life. This tape is a great 3M 396 alternative.

*Standard core is cardboard.



This tape can be used for bookbinding, edge protection, and seaming Styrofoam insulation panels.

Assembly	Bonding
Masking	Splicing



S791

Red Acrylic Splicing Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Acrylic/1.0 mil
- » Total Tape Thickness: 2.0 mil
- » Adhesion to Steel: 25 oz/in

Product description

Use this as a general purpose splicing tape in corrosive environments. It has a high shear, high temperature acrylic adhesive, which shows a good propensity to both low and high energy substrates. It offers good chemical and solvent resistance. The deep red color makes it visible during splice applications.

*Standard core is plastic.

✓ *This is a 3M 850 Red comparable product.*

Assembly	Bonding
Masking	Splicing



S922

Lined Removable Acrylic



- » Carrier: 1.5 mil
- » Adhesive/Thickness: Acrylic/2.0 mil
- » Total Tape Thickness: 2.5 mil
- » Adhesion to Steel: 26 oz/in

Product description

Our S922 removable acrylic is a low adhesion tape that is suitable for use as a protective mask. The product exhibits excellent high temperature resistance with clean removal. The polyester backing offers good conformability with protective strength for all protective masking applications. This product is moisture resistant and exhibits good short term UV resistance.

*Standard core is plastic.

Assembly

Bonding

Masking

Splicing



S4863

Embossed Surface Anti-Slip Tape



- | | |
|-------------------------|--------------------------------|
| » Carrier: | Silicone Rubber Cloth/30.0 mil |
| » Adhesive/Thickness: | Acrylic/1.5 mil |
| » Total Tape Thickness: | 31.5 mil |
| » Adhesion to Steel: | 45 oz/in |

Product description

Some of this product's features include impregnated and silicone coated cloth with temperature resistant adhesive. It can be used for anti-slip roller wrap applications and any that require anti-adhesive properties. It is temporarily repositionable and you may use this grey tape in any area where slipping is a hazard. Ask us about our generic brand.

*Only available on cardboard core.

Special Tape



S56

Black/Yellow Hazard Striped Tunnel Tape



- » Carrier: PE Coated Cloth/10.0 mil
- » Adhesive/Thickness: Natural Rubber/1.8 mil
- » Total Tape Thickness: 11.8 mil
- » Adhesion to Steel: 29 oz/in

Product description

The S56 is hand-tearable, puncture resistant, and can be repositioned several times without loss of adhesion. This tape is often used in auditoriums, TV studios, and other convention center atmospheres that might require wires and cables to be taped down. The adhesive is zone coated on edges and the cloth backing creates a non-adhesive tunnel for wires or cords to lie (pass) under. There is no need for cable cleanup with this natural rubber adhesive. This tunnel tape is also available in black. (Product #S54)

*Only available on cardboard core.

Special Tape



S192

Self Wound Conformable Vinyl Tape



- » Carrier: Vinyl/6.0 mil
- » Adhesive/Thickness: Rubber/1.0 mil
- » Total Tape Thickness: 7.0 mil
- » Adhesion to Steel: 14.6 oz/in

Product description

Use this vinyl tape when you need a product that is constructed with a chemically resistant adhesive that will not contaminate plating baths. This tape maintains an excellent straight edge when masking parts for anodizing or electro-less nickel plating, and has firm elongation properties with no memory. *Standard core is plastic.

Assembly

Bonding

Masking

Splicing



S193PU Heavy Duty Vinyl Tape



- » Carrier: Vinyl/5.0 mil
- » Adhesive/Thickness: Rubber/1.0 mil
- » Total Tape Thickness: 6.0 mil
- » Adhesion to Steel: 22 oz/in

Product description

This tape is used in many different industries including industrial, construction, maintenance, repair operations, irrigation, utility, and many others. This product was designed for insulation applications that require greater mechanical strength and abrasion resistance. The rubber adhesive tape is aggressive and conformable.

*Standard core is cardboard.

Assembly

Bonding

Masking

Splicing



D912

Double-Sided Red Silicone Tape



- » Carrier: Polyester/2.0 mil
- » Adhesive/Thickness: Silicone/2.5 mil
- » Total Tape Thickness: 7.0 mil
- » Adhesion to Steel: 35 oz/in

Product description

Silicone Splicing tape for manual and high-speed splicing of silicone coated release liners and low surface energy films. 2.0 mil Polyester carrier for strength and bright red color for easy splice identification.

Paper

Siliconized Liner



S293YL

Yellow PET Silicone Splicing Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/2.5 mil
- » Total Tape Thickness: 3.5 mil
- » Adhesion to Steel: 35 oz/in

Product description

The most common application for this tape is for splicing siliconized release liner. It is also useful for splicing raw films exposed to high-temperature processes. This is a reliable and effective silicone splicing tape both by hand and at high speed. It effectively bonds to low surface energy materials, with high-tack, high shear strength, and high temperature resistance. This product has a soft splicing adhesive with a conformable 1 mil PET backing.

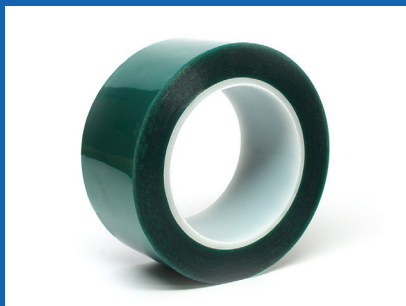
*Standard core is plastic.

Assembly	Bonding
Masking	Splicing



S295

Green Polyester Silicone Tape



- » Carrier: Polyester/2.0 mil
- » Adhesive/Thickness: Silicone/1.4 mil
- » Total Tape Thickness: 3.4 mil
- » Adhesion to Steel: 36 oz/in

Product description

A heavy-duty silicone powder coating masking tape that provides high strength and no curl mask that is also resistant to high temperatures. This tape is removable without adhesive residue and bonds well to low energy surfaces. The green polyester film makes it highly visible with excellent opposition to solvents, oils, and acids.

*Standard core is plastic.

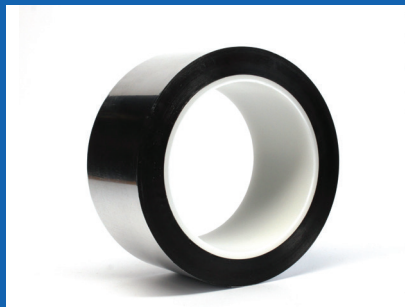
✓ *This tape has a little give at raised temperatures. It also*

Assembly	Bonding
Masking	Splicing



S299

Metalized Polyester Film Tapes



- » Carrier: PET/1.0 mil
- » Adhesive/Thickness: Acrylic/1.1 mil
- » Total Tape Thickness: 2.1 mil
- » Adhesion to Steel: 29 oz/in

Product description

This product is a metalized polyester film with a brilliant mirror-like finish. The film is coated with an aggressive, long-lasting acrylic adhesive system. This tape is primarily used for reflective shielding, industrial graphic arts, decorative trim, displays, microfilm splicing and photo sensing applications.

*Standard core is plastic.

Assembly	Bonding
Masking	Splicing



S7680 Polyimide Silicone Tape



- » Carrier: Polyimide Film/1.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 2.5 mil
- » Adhesion to Steel: 25 oz/in

Product description

This amber colored polyimide tape has exceptional high temperature resistance, puncture and tear resistance, as well as good electrical properties. It is a thin, conformable, and both chemical and flame resistant product. This tape will not soften at higher temperatures and can be used to protect circuit boards when soldering.

*Standard core is plastic.



This tape is also available on Anti-Static film as Part #768OAS, formerly Part #S2210

Assembly	Bonding
Masking	Splicing



S7700 Polyimide Silicone Tape



- » Carrier: Polyimide Film/2.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 3.5 mil
- » Adhesion to Steel: 22 oz/in

Product description

Use this tape as an insulating and surface protection tape for high-temperature applications. It can also be used as a mask in soldering applications and as a coil winding tape in electrical components that will see high temperature service. This tape has exceptional high temperature resistance and has great puncture and tear resistance when used in elevated heat conditions. You will find this tape to be conformable and leaves behind no residue upon removal. It is also available on liner.

*Standard core is plastic.

✓ ***Use this tape for powder coat masking when process temperatures are >450°F and you need conformability.***

Assembly	Bonding
Masking	Splicing



S913

High-Tack Red Silicone Splicing Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/3.0 mil
- » Total Tape Thickness: 4.0 mil
- » Adhesion to Steel: 35 oz/in

Product description

A product most commonly used for high speed splicing applications, in particular for siliconized liners, as well as films and low surface energy materials. This tape is also used for masking metal parts in immersion coating processes such as plating, anodizing, and e-coating. Here you have a very high tack silicone tape with 3 mils of modified silicone adhesive. It is perfect for making flying splices on the toughest liners at high speeds. A polyester film that is strong, durable, chemical, and temperature resistant. You will find this tape a great choice when using for applications that are emerged in chemicals, water, or paint. It is highly conformable to maximize surface contact, leaving behind no adhesive residue. *Standard core is plastic.

✓ ***Great for anodizing and electroplating application.***

Assembly	Bonding
Masking	Splicing



S945RD

Multi-Purpose Polyester Silicone Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 2.5 mil
- » Adhesion to Steel: 28 oz/in

Product description

Our S945 tape provides surface protection from scratches and chemical etching. It has superior adhesion to radiation cured surfaces with strong and durable polyester film. This is a silicone splicing tape which offers a low profile and bonds quickly and permanently to silicone surfaces. A silicone adhesive such as this is high temperature resistant and the stable adhesive resists oozing and flow.

*Standard core is cardboard.

✓ *This tape is also available in blue, clear or yellow.*

Assembly	Bonding
Masking	Splicing



S1199

Fiberglass Cloth Silicone Tape



- » Carrier: Glass Cloth/5.0 mil
- » Adhesive/Thickness: Silicone/2.0 mil
- » Total Tape Thickness: 7.0 mil
- » Adhesion to Steel: 20 oz/in

Product description

Use this product for high temperature masking in extreme conditions. It is often used for electrical insulating applications such as coil winding and electrical motor insulations where service temperatures may be high. The fiberglass tape remains flexible and maintains its adhesion in very cold conditions. The well-cured adhesive is resistant to chemicals and solvents, while maintaining an excellent mix of adhesive properties. It has an insulation class of 180°C and can be removed without leaving behind adhesive residue.

*Standard core is cardboard.

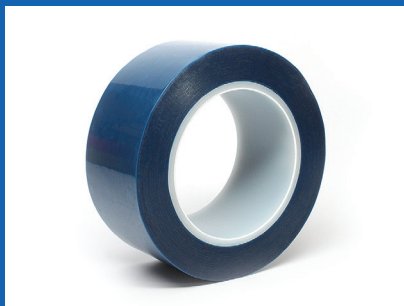
✓ *The white tape can also be used with printing for high-temperature labeling applications.*

Assembly	Bonding
Masking	Splicing



S291BL

Heavy Duty Silicone Splicing Tape



- » Carrier: Polyester/2.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 3.5 mil
- » Adhesion to Steel: 30 oz/in

Product description

This single coated polyester silicone tape was made for splicing all silicone papers and liners in the web processing industry. It bonds permanently and quickly to silicone treated surfaces. It offers a high degree of wetting and tack with adhesive flow resistance. It is easy to handle, has high chemical resistance and delivers excellent protection in high temperature environments.

*Standard core is plastic.

✓ ***It meets the requirements for Indirect Food Contact per FDA CFR 175.105 and also available in a clear color.***

Assembly	Bonding
Masking	Splicing



S292PK Polyester Silicone Splicing Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 2.5 mil
- » Adhesion to Steel: 30 oz/in

Product description

This is a single coated polyester high temperature silicone splicing tape that provides a superior bond to the most difficult silicone release surfaces and interliners. It is conformable with durable polyester film that will resist tearing or puncturing. Its stable adhesive resists flow, oozing, and slippage. This tape also comes in blue, olive green, and clear.

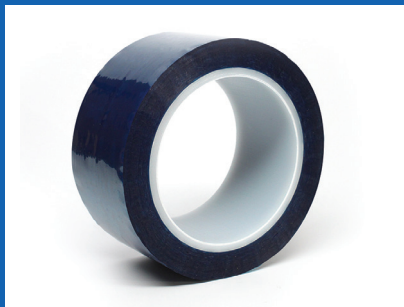
*Standard core is plastic.

✓ ***Designed to perform splicing applications on difficult silicone release surfaces.***

Assembly	Bonding
Masking	Splicing



S294BL Polyester Silicone Masking Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/1.4 mil
- » Total Tape Thickness: 2.4 mil
- » Adhesion to Steel: 20 oz/in

Product description

A blue tape designed to perform well in masking applications in chemically corrosive and high temperature environments. It will also bond to low energy surfaces and remove cleanly without adhesive residue. It offers a high strength, no curl mask, and reduced failure due to mask slippage. It is a single coated high temperature polyester silicone flash breaker, masking tape.

*Standard core is plastic.

Assembly	Bonding
Masking	Splicing



S633

Removable Silicone Tape



- » Carrier: Polyester/4.0 mil
- » Adhesive/Thickness: Silicone/1.2 mil
- » Total Tape Thickness: 5.2 mil
- » Adhesion to Steel: 25 oz/in

Product description

This green tape provides stable tack value and peel. It is single coated, and specially designed for applications requiring long term removability. This product can be used for pipe repairs, on moisture resistance projects, and with electrical protection.

*Standard core is plastic.

Assembly

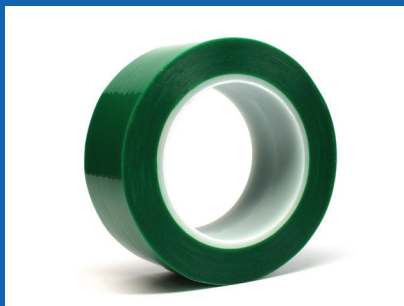
Bonding

Masking

Splicing



S998GR Ultra High Tack Green Silicone



- » Carrier: Polyester/1.5 mil
- » Adhesive/Thickness: Silicone/1.75 mil
- » Total Tape Thickness: 3.25 mil
- » Adhesion to Steel: 42 oz/in

Product description

This tape features a soft, ultra-high-tack silicone adhesive, which provides excellent quick stick characteristics to silicone release liners. It also makes for an excellent choice for splicing situations that demand a strong initial stick.

*Standard core is plastic.

✓ ***Meets the requirements for Indirect Food Contact per FDA CFR 175.105 and also available in a clear color.***

Assembly	Bonding
Masking	Splicing



S599RD Release-Coated Silicone Splicing Tape



- » Carrier: Polyester/2.0 mil
- » Adhesive/Thickness: Silicone/1.5 mil
- » Total Tape Thickness: 3.5 mil
- » Adhesion to Steel: 40 oz/in

Product description

A self-wound top side release coated splicing tape such as this, was developed specifically for splicing release papers and double-sided pressure sensitive tapes. The tape has a soft, ultra-high tack silicone adhesive, which provides excellent quick stick characteristics to silicone release liners. The benefit of using a self-wound roll is that it provides speedy application and no release liner scrap. The film will not split during application or removal. This tape is also available in blue.

*Standard core is plastic.

Assembly	Bonding
Masking	Splicing



DK-Non Adhesive Vinyl



- » Carrier: PVC/4.0 mil
- » Adhesive/Thickness: None
- » Total Tape Thickness: 4.0 mil
- » Adhesion to Steel: None

Product description

This yellow vinyl adheres to itself, conforms to curves, corners, and hard to reach areas, by forming a leak proof bond. Use this vinyl when you want to mask off areas for plating, painting, or abrasive blasting. It will not create a residue on most surfaces and it is hand-tearable.

*Standard core is cardboard.



This is an engineering grade plating tape and can be suitable for painting.

Assembly	Bonding
Masking	Splicing



D670

Tuff Tape III Banner Hemming and Bonding Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Acrylic/3.5 mil ea side
- » Total Tape Thickness: 8.0 mil
- » Adhesion to Steel: 55 oz/in

Product description

This aggressive adhesive is highly resistant to water and moisture. It offers excellent adhesion to irregular surfaces and holds up well in extreme cold, heat, and humidity. This tape is also resistant to plasticizers and has high bonding performance to vinyl, plastic, and smooth or textured surfaces.

*Standard core is cardboard.

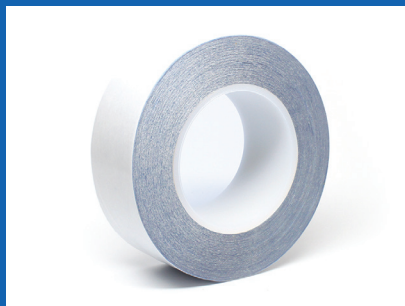
✓ *Also available in die cut form for splice-n-locate applications.*

Assembly	Bonding
Masking	Splicing



D739

High-Speed Acrylic Flying Splice Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Acrylic/3.5 mil ea side
- » Total Tape Thickness: 8.0 mil
- » Adhesion to Steel: 85 oz/in

Product description

Here is a bright blue, double-sided tape that is designed for high speed flying splices. It has excellent wet-out properties to materials such as polyethylene, polypropylene, loosely woven fabrics, and low energy films. This product features a thick adhesive layer on both sides and it increases production efficiency. A tape specifically engineered to separate cleanly during the splice without any visible fibers.

*Standard core is cardboard.



For use with laminators, coaters and other converting operations.

Assembly	Bonding
Masking	Splicing



D786

High-Speed Acrylic Flying Splice Tape



- » Carrier: Polyester/0.5 mil
- » Adhesive/Thickness: Acrylic/2.5 mil liner side, 1.5 exposed side
- » Total Tape Thickness: 4.5 mil
- » Adhesion to Steel: 60 oz/in

Product description

A tape designed for excellent bonding to polyethylene films, as well as other low energy films and surfaces. It is a blue double-sided, high speed flying splice tape, which is designed with excellent wet-out properties to materials such as polyethylene, and polypropylene. This tape will provide increased production efficiency and it will in turn reduce machine downtime. This tape is also available in black.

*Standard core is cardboard.

✓ ***Use this tape with loosely woven fabrics and low energy films.***

Assembly	Bonding
Masking	Splicing



D991

High-Tack Acrylic Transfer Tape



- » Carrier: None
- » Adhesive/Thickness: Acrylic/2.0 mil
- » Total Tape Thickness: 2.0 mil
- » Adhesion to Steel: 40 oz/in

Product description

A product developed for use in ATG dispensers is what you will find with this reinforced acrylic transfer tape. It is ideal for permanent bonding of papers, plastics, and films. It offers quick bonding and it can also be used as a core start up tape. The adhesive conforms to FDA 21, CFR 175.105 "adhesives" standards for food contact.

*Standard core is cardboard.



A lightweight, economical and recommended tape for uneven surfaces and signs.

Assembly	Bonding
Masking	Splicing



D1100 Double-Coated Polyester Tape



- » Carrier: Polyester/0.32 mil
- » Adhesive/Thickness: Acrylic/1.5 mil ea side
- » Total Tape Thickness: 3.32 mil
- » Adhesion to Steel: 45 oz/in

Product description

Ideal use for this double-coated polyester tape is for “quick stick” and “cold stick ability applications.” Its high-tack acrylic adhesive system provides excellent holding power and heat resistance. The polyester adds dimensional stability and is excellent for die cut purposes. The thin polyester carrier allows for easy hand tearing and ideally suited for high speed flying splices of paper, film, and foils.

*Standard core is cardboard.

✓ ***This tape can be used for general purpose bonding and also as an economy tape for D670***

Assembly	Bonding
Masking	Splicing



D1104 High-Tack Acrylic Transfer Tape



- » Carrier: None
- » Adhesive/Thickness: Acrylic/5.0 mil
- » Total Tape Thickness: 5.0 mil
- » Adhesion to Steel: 40 oz/in

Product description

Our D1104 acrylic transfer tape is reinforced with fiberglass to add structure and improve handling. Its extra thick adhesive offers advantages for textured or curved surfaces over the D991 tape that we also carry. This tape is self-wound on a yellow glassine paper liner for easy application. Works well in automated core start-up applications and with mounting. It is also available on 1" cores for use in ATG dispensers. Use this tape to permanently bond papers, plastics, and films. This product can be used in gasket assembly.

*Standard core is cardboard.

✓ ***This tape is acid free and flexible for a broad range of uses.***

Assembly	Bonding
Masking	Splicing



D2525

Perm-A-Stick II Double-Coated Acrylic Tape



- » Carrier: PET/0.5 mil
- » Adhesive/Thickness: Acrylic/3.75 mil ea side
- » Total Tape Thickness: 8.0 mil
- » Adhesion to Steel: 90 oz/in

Product description

With this high performance permanent bonding tape, you will also benefit from long-aging and UV resistance. It is very aggressive with a double-coat that allows for bonding glass, acrylic components and even signs. It can be spool wound and die cut. This excellent PET tape is designed to resist temperature fluctuations and outdoor exposure.

*Standard core is cardboard.



Use this product for continuous runs.

Assembly	Bonding
Masking	Splicing



D2526 Double Coated PVC Tape



- » Carrier: PVC/3.0 mil
- » Adhesive/Thickness: Acrylic/3.0 mil ea side
- » Total Tape Thickness: 9.0 mil
- » Adhesion to Steel: 110 oz/in

Product description

Use this white PVC film with double-sided acrylic tape, that's great for bonding to nearly all materials. It has excellent temperature, UV and water vapor resistance. This gold siliconized paper liner is most commonly used in the awards and sign industry. This tape offers cushioning, protection, and stabilization for all packaging applications.

*Standard core is cardboard.



Great choice for permanent bonding to metals and painted or vanished surfaces.

Assembly	Bonding
Masking	Splicing



D347

Double Coated Tissue Tape



- » Carrier: Tissue (White)/1.5 mil
- » Adhesive/Thickness: Acrylic/1.0 mil ea side
- » Total Tape Thickness: 3.5 mil
- » Adhesion to Steel: 56.4 oz/in

Product description

A product that is great for general purpose bonding, fixing, mounting, and splicing. It is hand-tearable with high tack and quick bond. This is a great laminating adhesive with a solvent acrylic adhesive system.

*Standard core is cardboard.



Excellent for foam laminating and mounting nameplates and signs.

Assembly	Bonding
Masking	Splicing



D990

High-Tack Acrylic Transfer Tape on Film



- » Carrier: None
- » Adhesive/Thickness: Acrylic/2.0 mil
- » Total Tape Thickness: 2.0 mil
- » Adhesion to Steel: 40 oz/in

Product description

Our no carrier tape on film liner provides minimum thickness with maximum flexibility. It is most commonly used in framing and mounting applications. Available in long length rolls for automated processes and also used as a core start up tape. This acrylic transfer tape has a unique film liner that allows for extra smooth application and permanent bonding to plastics, films, and papers. This tape is also available in ATG form. *Standard core is cardboard.

Assembly

Bonding

Masking

Splicing



D1108 Double Coated Polyester Tape



- » Carrier: Polyester/0.5 mil
- » Adhesive/Thickness: Acrylic/1.62 mil ea side
- » Total Tape Thickness: 3.75 mil
- » Adhesion to Steel: 65 oz/in

Product description

Use for bonding and splicing applications also involving low surface energy materials, foams, and some rubbers. It is an extremely aggressive high-shear double coated tape. The thin polyester film carrier is coated on both sides with acrylic adhesive and protected by a coated 2 side white silicone release paper liner. You will find exceptional tack and peel adhesion from this product; as well as adhesion to low energy surfaces. This tape has excellent moisture and humidity resistance. *Standard core is cardboard.

✓ ***Excellent for splicing corrugated, papers and bonding to irregular surfaces.***

Assembly	Bonding
Masking	Splicing



D513

Economy Double Coated Paper Tape



- » Carrier: Paper/5.0 mil
- » Adhesive/Thickness: Natural Rubber/1.0 mil ea side
- » Total Tape Thickness: 7.0 mil
- » Adhesion to Steel: 40 oz/in

Product description

A high-quality, hand-tearable tape that is great for aluminum or brass attachments. It exhibits high resistance to flexing forces and can be applied to painted or varnished surfaces. This is a general purpose acrylic adhesive that bonds well to high energy surfaces.

*Standard core is cardboard.

Assembly

Bonding

Masking

Splicing



D969PK Silicone/Acrylic Differential Tape



- » Carrier: PET/1.0 mil
- » Adhesive/Thickness: Acrylic (Exposed)
Silicone/2.0 mil/2.5 mil
- » Total Tape Thickness: 5.5 mil
- » Adhesion to Steel: Acrylic 70 oz/in
Silicone 40 oz/in

Product description

The pink color on this tape makes it easy for identification purposes. It is designed to bond dissimilar materials quickly and efficiently. The tape bonds well to silicone foams, rubbers, cardboard, fabric, films, and some LSE's. You will find that this product is primarily used in splicing when bonding a silicone coated liner to a non-silicone coated leader.

*Standard core is plastic.

Assembly	Bonding
Masking	Splicing



D293YL Double-Coated Yellow Silicone Splicing Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/2.5 mil ea side
- » Total Tape Thickness: 6.0 mil
- » Adhesion to Steel: 50 oz/in

Product description

This product is most commonly used to splice silicone release liners and a variety of low energy substrates. It very efficiently creates a splice by replacing multiple layers of silicone and non-silicone tape to splice two pieces of siliconized liner. You can also get very effective bonding with silicone foams and rubbers to other surfaces such as glass, metals, and plastics. This bright yellow color offers easy splice identification, and its soft high tack adhesive delivers a strong initial bond.

*Standard core is plastic.

✓ *Can be used for both bonding and splicing.*

Assembly	Bonding
Masking	Splicing



D644

Self Wound Double-Coated Silicone Tape



- » Carrier: Polyester/1.0 mil
- » Adhesive/Thickness: Silicone/2.25 mil ea side
- » Total Tape Thickness: 5.50 mil
- » Adhesion to Steel: 40 oz/in

Product description

Our D644 is a polyester tape with a high performance silicone adhesive on each side. It makes for an excellent choice when splicing silicone release liners and coated papers. Its double-coated release liner allows for fast application. Use this tape when joining rubbers, foams, plastics, and hard-coated or low energy substrates.

*Standard core is plastic.



This product has excellent temperature resistance and maintains its shear test for 5 days or more.

Assembly	Bonding
Masking	Splicing





+49 (0)541 - 977 688 53



info.eu@specialtytapes.net



www.stm-europe.com
