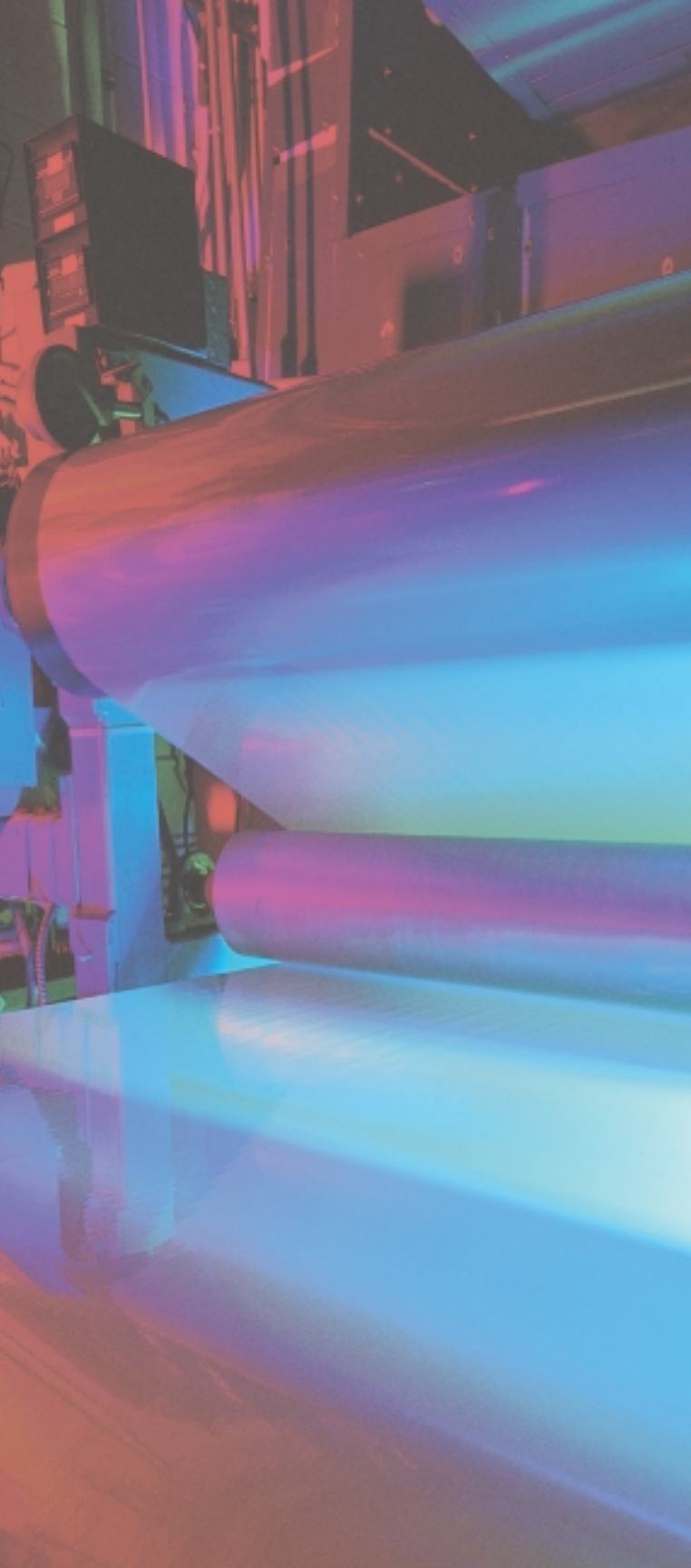


Adhesive Solutions
for
Challenging Applications



www.scapana.com



Scapa North America specializes in the production of high performance silicone, acrylic and rubber adhesive systems designed to meet the demands of the most challenging applications in a variety of industries. We consider ourselves a technical partner to our customers and work directly with them to develop the innovative solutions they need for their unique applications. We pride ourselves on providing customers with products and service of the highest quality, and as part of our commitment to maintain this level of performance, all Scapa products are manufactured in facilities that meet ISO 9001:2000 and ISO/TS 16949:2002 quality standards.

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Our single coated tapes for the aircraft/aerospace industry are designed to meet commercial aircraft requirements in a variety of applications. These high performance products are easy to apply, provide excellent chemical and temperature resistance and remove easily without leaving adhesive residue.

Scapa aircraft/aerospace tapes are ideal for:

- Flash breaking
- High and low temperature masking
- Thermal spray masking

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
572	3.4 (0.086)	2 mil PET	1.4 mil Silicone	Blue	High temperature flash breaker and composite bonding tape. The product holds and masks tools, forms, and parts for metal or composite plastic bonding and withstands 400° F temperatures.
573	2.4 (0.061)	1 mil PET	1.4 mil Silicone	Blue & Green*	High temperature flash breaker and composite bonding tape. The product holds and masks tools, forms, and parts for metal or composite plastic bonding and withstands 350° F temperatures.
590	2.5 (0.064)	1.5 mil PET	1 mil Rubber	Orange & Off White*	High temperature flash breaker and composite bonding tape that withstands temperatures of 300° F. The product is also used for masking during the metallizing of lead frames in the aerospace industry.
593	2.4 (0.061)	1 mil PET	1.4 mil Silicone	Clear, Green, Blue, Yellow & Red	High temperature flash breaker and composite bonding tape. The product holds and masks tools, forms, and parts for metal or composite plastic bonding and withstands temperatures up to 400° F.
594	3.3 (0.084)	2 mil PET	1.3 mil Silicone	Blue & Green*	Flash breaker tape designed to hold and mask tools, forms, and parts for metal or composite plastic bonding and withstands 400° F temperatures.
615	6.3 (0.160)	5 mil PET	1.3 mil Silicone	Blue	High temperature flash breaker and composite bonding tape. The product holds and masks tools, forms, and parts for metal or composite plastic bonding and withstands 400° F temperatures.
815	3.2 (0.081)	2 mil Nylon	1.2 mil Rubber	Green, White & Yellow	High temperature flash breaker tape used where silicone contamination is a concern. Holds and masks tools, forms, and parts for metal or composite plastic bonding and withstands 350° F temperatures.
816	4.1 (0.104)	3 mil Polypropylene	1.1 mil Acrylic	White	UV resistant protection tape that seals, protects and preserves a variety of tools and equipment. The product meets low sulfur, low halogen and low heavy metal requirements.
C 401	7.3 (0.185)	5 mil Glass Cloth	2.3 mil Silicone	White	High temperature masking tape for plasma, thermal and metallization processes. The product withstands 500° F temperatures.
C 402	8.5 (0.216)	4 mil Aluminum Backed Glass Cloth	4.5 mil Silicone	Silver	High temperature masking tape in thermal spray processes. Premium grade wire harness tape for very high temperature applications, such as electrical appliances.

* Other custom colors available upon request. Minimums on certain colors may apply.

Our single and double coated tapes for the automotive industry are formulated to maintain adhesive properties at elevated temperatures in various automotive applications. They create reliable bonds and are available on a variety of backings for use in applications including:

- High temperature wire harness
- Surface protection during transportation of vehicles
- Paint masking
- Emblem mounting & bonding
- Airbag sealing
- Bonding of silicone foams and gaskets

SINGLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Liner	Color	Application
250	6.8 (0.173)	4.5 mil Aluminum Backed Glass Cloth	2.3 mil Silicone		Silver	High temperature, heat reflective wire harness tape that meets Delphi specification ES-M-2283. The product withstands temperatures up to 500°F.
519	1.5 (0.038)	1 mil PET	0.5 mil Rubber		Aqua	High temperature surface protection.
522	2.2 (0.056)	1 mil PET	1.2 mil Acrylic		Clear & Black	UL Approved E175052 (M) high temperature wire harness tape that withstands temperatures up to 270°F.
523	2.3 (0.058)	1 mil PET	1.3 mil Silicone		Clear & Black	UL Approved E175052 (M) high temperature wire harness tape that withstands temperatures up to 270°F.
573	2.4 (0.061)	1 mil PET	1.4 mil Silicone		Blue & Green*	High temperature, chemical-resistant fine line paint masking tape.
575	3.0 (0.076)	1 mil PET	2 mil Modified Silicone		Yellow & Black*	High temperature wire harness tape.
613	3.0 (0.076)	2 mil PET	1 mil Silicone		Clear	Emblem mounting tape.
574NS	2.0 (0.051)	1 mil PET	1 mil Rubber		Green	High temperature wire harness and fine line paint masking tape.
DOUBLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Liner	Color	Application
702	4.0 (0.102)	1 mil PET	1.5 mil Silicone 1.5 mil Silicone	PET	Clear	Bonds silicone foams and gaskets for automotive applications.
705	4.0 (0.102)	1 mil PET	1.5 mil Silicone 1.5 mil Acrylic	PET	Clear	Bonds silicone foams and gaskets for automotive applications.
706	4.0 (0.102)	1 mil Polyimide	1.5 mil Silicone 1.5 mil Silicone	PET**	Amber	Bonds silicone foams and gaskets for automotive applications at temperatures from 400°F up to 600°F (600°F for a short time).
707	3.7 (0.094)	1 mil PET	1.5 mil Silicone 1.2 mil Acrylic	PET & Paper (Double Lined)	Clear	Bonds silicone foams and gaskets for automotive applications.
709	5.2 (0.132)	2 mil PET	1.6 mil Silicone 1.6 mil Silicone	PET	Clear	Bonds silicone foams and gaskets for automotive applications.

* Other custom colors available upon request. Minimums on certain colors may apply.

** This product is available either single or double lined.

We provide an extensive range of electronics tapes designed to meet the demanding requirements of PCB fabrication and assembly. The products protect delicate circuitry from harmful chemicals and fumes, adhere easily to uneven surfaces and are available with a variety of adhesives and backings.

Scapa electronics tapes are ideal for:

- Wave solder and hot air leveling
- Electrical insulation
- Flexible circuit bonding

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
511	1.5 (0.038)	1 mil PET	0.5 mil Rubber	Green	Protects large areas of circuit boards from chemical fumes or splashes during solder stripping and nickel/gold plating of finger contacts.
519	1.5 (0.038)	1 mil PET	0.5 mil Rubber	Aqua	Protects large areas of circuit boards from chemical fumes or splashes during solder stripping and nickel/gold plating of finger contacts.
524	4.0 (0.102)	1 mil PET	3 mil Silicone	Green	Protects gold fingers of circuit boards during plating. Withstands temperatures up to 350° F.
552	6.5 (0.165)	5 mil Polyimide	1.5 mil Silicone	Amber	High temperature masking tape designed to protect and insulate gold finger contacts during wave solder or hot air leveling. The product withstands temperatures of 500° F.
554	3.5 (0.089)	2 mil Polyimide	1.5 mil Silicone	Amber	High temperature masking tape designed to protect and insulate various high temperature coils, motors, and transformers. Withstands temperatures up to 600° F.
556	2.8 (0.071)	1 mil Polyimide	1.8 mil Silicone	Amber	UL Approved E175052 (M) high temperature masking tape designed to protect circuit board gold finger contacts during wave solder or hot air leveling. Withstands temperatures up to 500° F.
557	2.6 (0.066)	1 mil Polyimide	1.6 mil Silicone	Amber	Low static, high temperature masking tape designed to protect circuit board gold finger contacts during wave solder or hot air leveling. Used in applications where electrostatic discharge is a concern and withstands temperatures up to 500° F.
561	2.8 (0.071)	1 mil Polyimide	1.8 mil Silicone	Amber	High temperature masking tape designed to protect circuit board gold finger contacts during wave solder or hot air leveling. Used in applications where electrostatic discharge is a concern, the product withstands temperatures up to 500° F.
574	2.0 (0.051)	1 mil PET	1 mil Modified Silicone	Blue	Protects printed circuit boards from fumes and splashes during solder stripping and nickel/gold plating of finger contacts. Withstands temperatures of 300° F and is recommended for applications where superior adhesion is required.
574NS	2.0 (0.051)	1 mil PET	1 mil Rubber	Green	Protects printed circuit boards from fumes and splashes during solder stripping and nickel/gold plating of finger contacts.
575	3.0 (0.076)	1 mil PET	2 mil Modified Silicone	Yellow & Black*	Masking of connectors and circuitry during PCB chemical processing such as tin lead stripping and gold finger plating. Withstands temperatures up to 300° F and is excellent for solder mask over bare copper.

* Other custom colors available upon request. Minimums on certain colors may apply.

SINGLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application	
576	4.0 (0.102)	1 mil PET	3 mil Silicone	Red	Superior gold finger protection during batch processing. Seals firmly above the finger area, preventing leakage and solution migration.	
577	3.5 (0.089)	1 mil PET	2.5 mil Silicone	Red	Superior gold finger protection during batch processing. Seals firmly above the finger area, preventing leakage and solution migration.	
578	4.1 (0.104)	1 mil PET	3.1 mil Modified Silicone	Red	Protects circuit boards during plating or stripping of gold finger contacts, also masks during chemical processing.	
579	4.0 (0.102)	1 mil PET	3 mil Rubber	Blue	Protects circuit boards during plating or stripping of gold finger contacts, also masks during chemical processing.	
581	2.9 (0.074)	1 mil PET	1.9 mil Silicone	Blue	Protects printed circuit boards from fumes and splashes during plating and solder stripping. Also masks during chemical processing.	
582	3.0 (0.076)	1 mil PET	2 mil Modified Silicone	Blue	High temperature, chemical resistant masking tape designed to protect tin/lead fingers in solder masking over bare copper.	
586	3.0 (0.076)	1 mil PET	2 mil Silicone	Blue	Protects circuit boards during plating or stripping of gold finger contacts. The product is recommended for solder mask over bare copper boards.	
590	2.5 (0.064)	1.5 mil PET	1 mil Rubber	Orange & Off White*	High temperature masking tape that withstands 300° F.	
650	6.5 (0.165)	4 mil Paper	2.5 mil Silicone	Tan	Low static, high temperature wave solder tape used to protect gold plated finger tabs, assembly holes, and components. Withstands temperatures of 500° F.	
655	7.3 (0.185)	5 mil Paper	2.3 mil Modified Silicone	Tan	Protects gold or rhodium PCB finger contacts, assembly holes, and components during wave solder or hot air leveling process. Also used as a high temperature masking tape that withstands temperatures of 400° F.	
815	3.2 (0.081)	2 mil Nylon	1.2 mil Rubber	Green, White & Yellow	Masks contacts during conformal coating. Withstands temperatures up to 350° F.	
816	4.1 (0.104)	3 mil Polypropylene	1.1 mil Acrylic	White	Seals, protects and preserves a variety of tools and equipment, meets low sulfur, low halogen and low heavy metal requirements and is UV resistant.	
C 401	7.3 (0.185)	5 mil Glass Cloth	2.3 mil Silicone	White	High temperature masking tape designed to protect and insulate various high temperature coils, motors, and transformers. Also used for masking printed circuit boards during wave solder process.	
DOUBLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Liner	Color	Application
706	4.0 (0.102)	1 mil Polyimide	1.5 mil Silicone 1.5 mil Silicone	PET**	Amber	Bonds and insulates flexible circuits at temperatures from 400°F up to 600°F (600°F for a short time).

* Other custom colors available upon request. Minimums on certain colors may apply.

** This product is available either single or double lined.

Printing & Graphics

Our specialty single coated adhesive tapes for the printing and graphics industry are ideal for use on silicone treated papers and films and provide excellent performance in the following applications:

- Photo splicing
- Printers and converters tape

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
590	2.5 (0.064)	1.5 mil PET	1 mil Rubber	Orange & Off White*	Photo splicing.
594	3.3 (0.084)	2 mil PET	1.3 mil Silicone	Blue & Green*	Photo splicing.
674	3.0 (0.076)	2 mil PET	1 mil Silicone	Green, Blue, Yellow, Copper, Red & Peach*	Photo splicing. Attachment of film to leader card for photo developing and printing.
572LS	3.4 (0.086)	2 mil PET	1.4 mil Modified Silicone	Green, Pink & Red	Photo splicing. Attachment of film to leader card for photo developing and printing.
C 638	21.0 (0.533)	19 mil Polyolefin/PET	2 mil Acrylic	White	Wrapping idler rollers.

Construction

Our single coated polyester film tapes for the construction industry are made with an aggressive high-tack acrylic adhesive that withstands a wide range of outdoor temperature and weather extremes. These products are ideal for:

- Sheathing applications
- Seaming or joining house wrap materials to prevent air and moisture penetration

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
625	3.7 (0.094)	1.5 mil PET	2.2 mil Acrylic	Gray	Sheathing tape for seaming housewrap materials.
627	3.0 (0.076)	1.5 mil PET	1.5 mil Acrylic	White	Sheathing tape for seaming housewrap materials.

* Other custom colors available upon request. Minimums on certain colors may apply.

Our single and double coated splicing tapes are ideal for splicing a variety of silicone and non-silicone papers, films and foils. These tapes feature excellent quick-stick properties, as well as high tack, shear and tensile strength.

Scapa splicing tapes are available in a range of colors for splicing applications including:

- Core starting
- Overlap and flying splices
- Butt splicing
- Seaming, patching and sealing

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
290	6.8 (0.170)	4.5 mil Aluminum Backed Glass Cloth	2.3 mil Silicone	Silver	Protective wrap for high temperature pipes and connections. Withstands 500°F temperatures and exhibits excellent fuel and chemical resistance.
512	3.0 (0.076)	1 mil PET	2 mil Silicone	Rust	Heavy-duty splicing of silicone-coated papers and films.
524	4.0 (0.102)	1 mil PET	3 mil Silicone	Green	Heavy-duty splicing of silicone-coated backings. Makes good flying splices.
525	2.0 (0.051)	1 mil PET	1 mil Acrylic	Clear	General purpose splicing applications. Excellent for use on all of non-silicone surfaces.
526	3.5 (0.089)	2 mil PET	1.5 mil Acrylic	Green	General purpose splicing applications. Excellent for use on all of non-silicone surfaces.
536	3.2 (0.081)	2 mil PET	1.2 mil Acrylic	Green	General purpose splicing of non-silicone papers and films.
537	3.2 (0.081)	2 mil PET	1.2 mil Acrylic	Green & Blue	General purpose splicing of non-silicone papers and films.
570	2.0 (0.051)	1 mil PET	1 mil Silicone	Clear & Pink	Printable splicing tape for use on silicone-coated surfaces, labels, films and specialty papers.
571	2.4 (0.061)	1 mil PET	1.4 mil Silicone	Pink	General purpose splicing of silicone-coated papers and films.
572	3.4 (0.086)	2 mil PET	1.4 mil Silicone	Blue	General purpose splicing of silicone-coated papers and films.
573	2.4 (0.061)	1 mil PET	1.4 mil Silicone	Blue & Green*	General purpose splicing of silicone-coated papers and films.
575	3.0 (0.076)	1 mil PET	2 mil Modified Silicone	Yellow & Black*	General purpose splicing of silicone and non-silicone papers and films.
576	4.0 (0.102)	1 mil PET	3 mil Silicone	Red	Aggressive splicing of silicone-coated papers and films.
582	3.0 (0.076)	1 mil PET	2 mil Modified Silicone	Blue	General purpose splicing of silicone and non-silicone papers and films.
590	2.5 (0.064)	1.5 mil PET	1 mil Rubber	Orange & Off White*	Economy-grade splicing tape for non-silicone papers and films.
593	2.3 (0.058)	1 mil PET	1.4 mil Silicone	Clear, Green, Blue, Yellow & Red	General purpose splicing of silicone-coated papers and films.
598	2.8 (0.071)	2 mil PET	0.8 mil Modified Silicone	Blue	General purpose splicing of silicone-coated and adhesive-coated tapes and labels.
599	4.0 (0.102)	1 mil PET	3 mil Silicone	Red	Aggressive splicing of silicone-coated papers and films. Recommended for applications where a higher tack adhesion is required.
625	3.7 (0.094)	1.5 mil PET	2.2 mil Acrylic	Gray	General purpose splicing of non-silicone papers and films.
627	3.0 (0.076)	1.5 mil PET	1.5 mil Acrylic	White	General purpose splicing of non-silicone papers and films.
635	3.0 (0.076)	2 mil PET	1 mil Acrylic	Clear	General purpose splicing of non-silicone papers and films.
595L	2.5 (0.064)	1 mil PET	1.5 mil Silicone	Pink	General purpose splicing tape for silicone-coated papers and films.
1640	2.5 (0.064)	1 mil PET	1.5 mil Silicone	Clear & Blue	General purpose splicing tape for silicone-coated papers and films.

DOUBLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Liner	Color	Application
702	4.0 (0.102)	1 mil PET	1.5 mil Silicone 1.5 mil Silicone	PET	Clear	General purpose splicing of silicone-coated papers and films.
705	4.0 (0.102)	1 mil PET	1.8 mil Silicone 1.2 mil Acrylic	PET	Clear	General purpose splicing of silicone-coated papers and films.
706	4.0 (0.102)	1 mil Polyimide	1.5 mil Silicone 1.5 mil Silicone	PET**	Amber	General purpose splicing of silicone-coated papers and films at temperatures from 400°F up to 600°F (600°F for a short time).
709	5.2 (0.132)	2 mil PET	1.6 mil Silicone 1.6 mil Silicone	PET	Clear	Aggressive splicing of silicone-coated papers and films.

General Purpose Bonding

Our high performance single and double coated adhesive tapes for general purpose bonding are engineered to provide reliable bonds to a variety of surfaces including silicone foams and gaskets.

DOUBLE COATED TAPES						
Product	Total Thickness mils (mm)	Backing	Adhesive	Liner	Color	Application
702	4.0 (0.102)	1 mil PET	1.5 mil Silicone 1.5 mil Silicone	PET	Clear	General purpose bonding of silicone foams and gaskets.
705	4.0 (0.102)	1 mil PET	1.8 mil Silicone 1.2 mil Acrylic	PET	Clear	General purpose bonding of silicone foams and gaskets.
706	4.0 (0.102)	1 mil Polyimide	1.5 mil Silicone 1.5 mil Silicone	PET**	Amber	General purpose bonding of silicone foams and gaskets at temperatures from 400°F up to 600°F (600°F for a short time).
707	3.7 (0.094)	1 mil PET	1.5 mil Silicone 1.2 mil Acrylic	PET & Paper (Double Lined)	Clear	General purpose bonding of silicone foams and gaskets.
709	5.2 (0.132)	2 mil PET	1.6 mil Silicone 1.6 mil Silicone	PET	Clear	General purpose bonding of silicone foams and gaskets.

Powder Coating

Our clean removal powder coating tapes adhere easily to uneven surfaces and withstand temperatures up to 500°F without flowing or oozing. A number of products are supplied with high-strength polyimide backings that provide superior puncture, tear and abrasion resistance properties.

SINGLE COATED TAPES					
Product	Total Thickness mils (mm)	Backing	Adhesive	Color	Application
556	2.8 (0.071)	1 mil Polyimide	1.8 mil Silicone	Amber	UL Approved E175052 (M) high temperature general purpose masking in powder coating applications. Withstands temperatures up to 500°F.
561	2.8 (0.071)	1 mil Polyimide	1.8 mil Silicone	Amber	High temperature general purpose masking in powder coating applications. Withstands temperatures up to 500°F.
592	3.3 (0.084)	2 mil PET	1.3 mil Silicone	Green & Rust	High temperature general purpose masking in powder coating applications. Withstands temperatures up to 400°F.
593	2.3 (0.058)	1 mil PET	1.3 mil Silicone	Clear, Green, Blue, Yellow & Red	High temperature general purpose masking in powder coating applications. Withstands temperatures up to 400° F.
594	3.3 (0.084)	2 mil PET	1.3 mil Silicone	Blue & Green*	High temperature general purpose masking in powder coating applications. Withstands temperatures up to 400°F.
674	3.0 (0.076)	2 mil PET	1 mil Silicone	Green, Blue, Yellow, Copper, Red & Peach*	High temperature general purpose masking in powder coating applications. Withstands temperatures up to 400°F.

* Other custom colors available upon request. Minimums on certain colors may apply.

** This product is available either single or double lined.

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