

3M™ Single Coated Tapes



In this section, 3M adhesive science is typically applied to protecting, masking, enhancing, or in other ways modifying surfaces to improve appearance, function, and productivity. Applications range from protecting surfaces against scratches to paint masking, reflecting heat to repelling sticky materials, and more.

You'll find the following solutions:

- 3M™ Single Coated Tapes
- 3M™ Single Coated Foam Tapes
- 3M™ Repulpable Tapes
- 3M™ Protective Tape Products
- 3M™ EMI Shielding and Electrical Tapes



3M™ Single Coated Tapes

Selecting the right product for the job

To help you make sure you find the optimum 3M tape or other adhesive-backed product for your particular application, you'll want to consider several factors:

- Backing material
- Adhesive type
- Application time and temperature
- Surface characteristics (eg., roughness, surface energy, contours, etc.)
- End use conditions (eg., temperature, UV exposure, abrasion, etc.)

The information on these two pages integrates those factors to help you narrow your selection to fewer products for a more in-depth evaluation.

3M Backing Materials

In many applications, 3M backings add a second surface that affects how the underlying surface relates to the environment.

To optimize that relationship, 3M backings offer a wide choice of performance and handling characteristics.

Backings	Characteristics
Paper	
Crepe	Conformable, easy tear.
Flatback	Strong, smooth, good for straight line masking.
Kraft	Strong, some versions are repulpable.
Tissue	Thin, porous to allow adhesive penetration of sheet.
Plastic	
Polyester	Strong even when thin, chemical resistant, high temperature resistance.
Polypropylene	Resistant to most solvents, conformable, tear resistant.
Polyethylene	Conformable, easy to stretch, chemical/acid/moisture resistant, economical.
Polyethylene/ Polypropylene Co-polymer	Conformable, chemical/acid/moisture resistant.
UHMW – Polyethylene	High abrasion resistance, low coefficient of friction, antistick surface easy to clean.
Polyvinyl Chloride (Vinyl)	Conformable, abrasion resistant, resistant to most chemicals.
Polyimide (eg., Kapton®)	High temperature resistance, excellent dimensional stability, good insulation properties.
Polyamide (Nylon)	High temperature resistance, high strength and toughness, good chemical resistance but can absorb moisture.
Polytetrafluoroethylene (PTFE)	Low coefficient of friction, excellent high temperature and chemical resistance, antistick/release properties.
Polyvinyl Alcohol (PVA)	Water-soluble, organic solvent resistant, high temperature resistance.
Polyurethane	Abrasion/scratch resistant, impact/puncture resistant, UV and corrosion resistant.
Polyvinyl Fluoride (eg., Tedlar®)	Excellent weather resistance, excellent long-term UV resistance, thin yet stiff feel.
Cloth	
Cotton	Strong, easy tear by hand, soft and drapable.
Glass Cloth	Strong, high temperature resistance, flame-resistant.
Polyethylene Coated	Strong yet hand tearable, abrasion resistant, water-resistant, conformable.
Non-woven	
Fiber	Air permeable, strong enough to hold expanding foams.
Metals	
Aluminum	Heat and light reflective, moisture and chemical resistant, flame-resistant, outdoor weather resistant, conformable.
Lead	Electrically conductive, acid resistant, high conformability, x-ray opacity.
Rubber	
Neoprene	Abrasion resistant, die-cuttable.
Combination (Laminates)	
Paper/Polyethylene	Weather and chemical resistant, hand tearable, stretch resistant.
Metallized/Polyester	Reflective, decorative.
Glass Cloth/PTFE	High temperature resistance, high strength.
Glass Cloth/Aluminum	Very high temperature resistance, high strength.
Non-woven/Aluminum	High heat and cold resistance.

3M Pressure Sensitive Adhesives

Most of the products in this section feature a 3M pressure sensitive adhesive that bonds the backing to another surface on contact. Each adhesive has different characteristics that affect production and end use performance.

Adhesives			
Rubber	Standard Acrylic	Modified Acrylic	Silicone
High initial bond	Moderate initial bond	Bonds to wider variety than standard acrylic	Fair initial bond
Softer	Firmer	Softer	Very firm
Widest variety of surfaces including low surface energy materials*	High surface energy*	Many surfaces	Fewer surfaces
Up to 350°F	Up to 450°F	Up to 300°F	Up to 600°F, excellent low temperature performance
Fair chemical resistance	Excellent chemical resistance	Good chemical resistance	Excellent chemical resistance
Fair UV resistance	Excellent UV resistance	Moderate UV resistance	Excellent UV resistance
Poor aging	Excellent aging	Durable	Excellent aging
Removable	Permanent	Various	Removable
Good solvent resistance	Excellent solvent resistance	Good solvent resistance	Excellent solvent resistance

*Surface energy ranges from high to low. The substrate must be unified, dry, and clean to maximize adhesive contact.

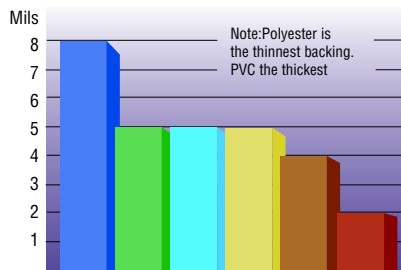
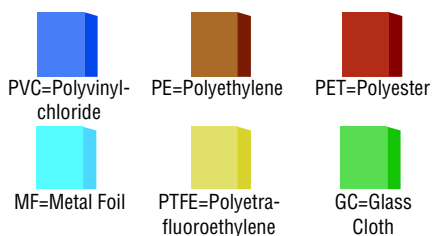
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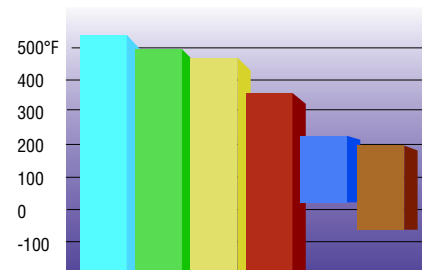
Tape Reference Chart

To help select the tape backing for your application, consult the following charts. Each backing is rated in eight critical categories.

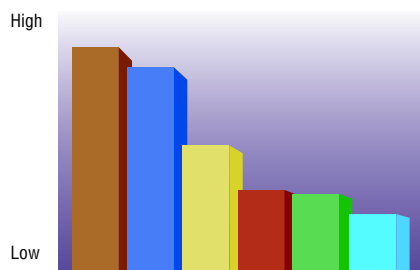
Key to Charts 1-8



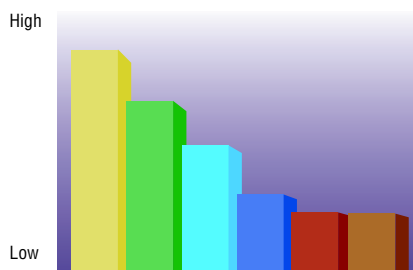
1. Backings Thickness (Caliper)



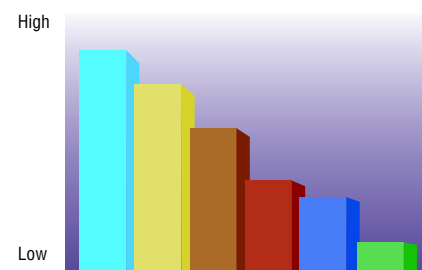
2. Temperature Range of Tape Backings



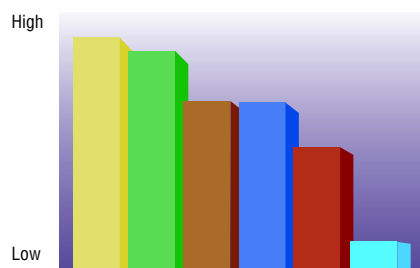
3. Conformability of Backings



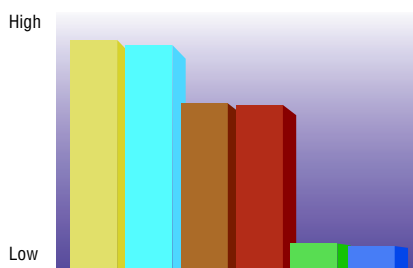
4. Backing Cost



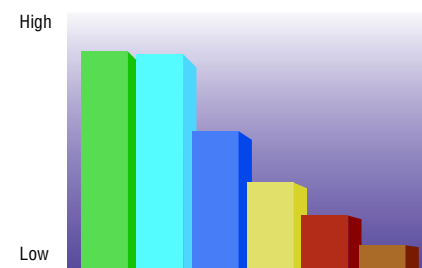
5. Backings as Moisture Barriers



6. Chemical Resistance of Backings



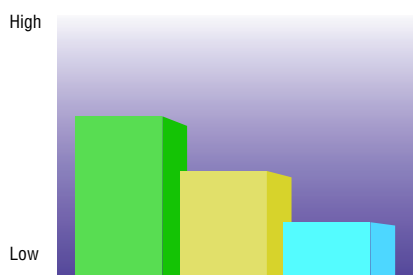
7. Solvent Resistance of Backings



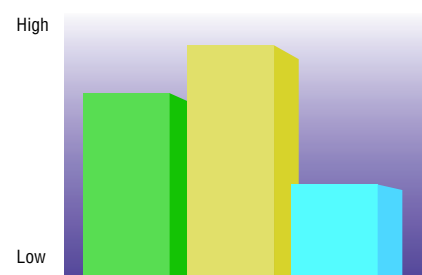
8. Resistance to Recovery (Dead Stretch)

To help select the adhesive for your application, consult the charts below. Each adhesive is rated in five critical categories.

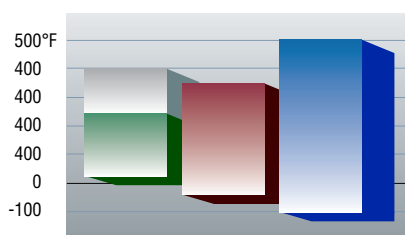
Key to Charts 9-13



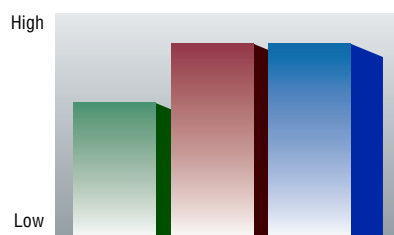
9. Initial Tack



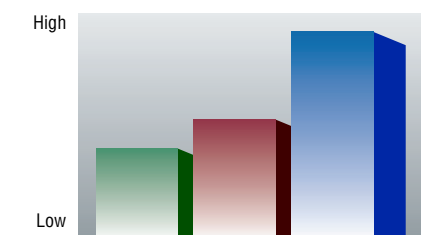
10. Ultimate Adhesion to Steel



11. Temperature Ranges of Adhesives



12. Long-Aging Capabilities



13. Cost of Adhesives

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Material (alphabetical order)	Product	Typical Performance Characteristics/ Application Ideas	Color	Total Cal. Mils	Backing		Adhesive Type	Specs
					Material	Caliper Mils		
Aluminum Foil	363	An aluminum foil/glass cloth tape that can be used as a high temperature, heat reflective, protective wrap for certain cables and other components in aerospace and industrial applications.	Silver	7.3	Aluminum foil laminated to glass cloth	3.4	Silicone	F.A.R.
	425	Dead-soft aluminum foil tape. Masking of sensitive components to protect from damage during aircraft paint stripping. In white goods appliances, tape provides an excellent moisture barrier, helps reflect and dissipate heat. Qualified to L-T-80B, SAE-AMS-T-23397.	Silver	4.6	Aluminum	2.8	Acrylic	UL, F.A.R.
	427	Dead-soft aluminum foil tape. Lined version of 425 that can be easily die-cut into special sizes or shapes. Mask sensitive components to protect from damage during paint stripping or reflect and dissipate heat.	Silver	4.6	Aluminum	2.8	Acrylic	UL F.A.R.
	431	A 2 mil nominal dead soft aluminum foil with transparent acrylic adhesive for many permanent sealing, holding, splicing or masking applications requiring the protection offered by a foil backing. Meets F.A.R.25.853(a)	Silver	3.1	Aluminum	1.9	Acrylic	F.A.R.
	433	Dead-soft aluminum foil backing with silicone adhesive that can be used in many high temperature applications. MIL-T-47014, meets F.A.R.25.853(a)	Silver	3.6	Aluminum	2.0	Silicone	MIL F.A.R.
	433L	Lined version of 433.	Silver	3.6	Aluminum	2.0	Silicone	MIL F.A.R.
	438	Thickest aluminum tape. Meets F.A.R.25.853(a)	Silver	7.2	Aluminum	5.0	Acrylic	F.A.R.
	439	Conformable aluminum foil with 1.2 mil acrylic adhesive on a 5.6 mil, 83# brown kraft liner. (Lined version of 431.)	Silver	3.1	Aluminum	1.9	Acrylic	F.A.R.
	1430	A dead soft aluminum foil tape combined with a nonwoven web. It has a pressure sensitive adhesive and offers superior sealing benefits of foil with ease of handling and strength of cloth.	Silver	5.5	Aluminum/ Nonwoven web	5.0	Acrylic	
	1449	Thinnest aluminum tape for added conformability.	Silver	2.6	Aluminum	1.4	Acrylic	
	1450	High initial tack on low energy surfaces.	Silver	3.1	Aluminum	1.9	Rubber	
	3311	UL 723 listed, lined.	Silver	3.6	Aluminum	2.0	Rubber	UL
	3326	UL 181A-P and 181B-FX listed, printed backing, lined.	Silver	4.4	Aluminum	2.3	Acrylic	UL
Aluminum Sound Damping Foil	434	Aluminum foil constraining layer coated with a 2.0 (0.05 mm) pressure sensitive viscoelastic polymer on a blue polyethylene easy-release liner. Controls resonant vibrations from -76°F to 68°F (-60°C to 20°C).	Silver	7.5	Aluminum	5.5	VEP ¹	F.A.R.
	435	Thicker version of 434.	Silver	13.5	Aluminum	8.0	VEP ¹	F.A.R.
	436	Aluminum foil constraining layer coated with a 5.5 (0.14 mm) pressure sensitive viscoelastic polymer on a blue polyethylene easy-release liner. Controls resonant vibrations from -76°F to 68°F (-60°C to 20°C).	Silver	17.5	Aluminum	12.0	VEP ¹	F.A.R.
	2552	Aluminum foil constraining layer coated with a 5.0 (0.13 mm) pressure sensitive viscoelastic polymer on a polycoated paper easy-release liner. Controls resonant vibrations from 32°F to 140°F (0°C to 60°C).	Silver	15.0	Aluminum	10.0	VEP ¹	F.A.R.
	4014	Foil/foam sheet laminate. Meets F.A.R.25.853(a)	Silver	250	Aluminum- Urethane/Acrylic	3.0	VEP ¹	F.A.R.

¹Viscoelastic polymer

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					Material	Caliper Mils		
Fiberglass Cloth	361	Glass cloth tape coated with a silicone adhesive for many applications requiring high temperature resistance, high adhesion and a very strong abrasion-resistant backing. Also can be certified to F.A.R.25.853	White	7.5	Glass cloth	5.4	Silicone	F.A.R.
	365	Splicing textured surfaces / thermosetting adhesive.	White	8.3	Glass cloth	4.8	Rubber	
	398FR	Glass cloth film tape with acrylic adhesive. Used for sealing seams on aircraft ducting and cargo area panels. Flame retardant.	White	7.0	Glass cloth	5.0	Acrylic	F.A.R.
	398FRP	Printed backing version of 398FR.	White	7.0	Glass cloth	5.0	Acrylic	F.A.R.
	3615	An easy unwind glass tape for many applications requiring high temperature resistance, high adhesion, and a very strong abrasion-resistant backing.	White	6.5	Glass cloth	3.5	Silicone	
	3615L	Film lined version of 3615.	White	6.5	Glass cloth	3.5	Silicone	
	3650	Splicing textured surfaces/thermosetting adhesive (Film lined version of 365.)	White	8.3	Glass cloth	4.8	Rubber	
Lead Foil	420	Lead foil backing with rubber adhesive and a clear, easy-release film liner.	Silver	6.8	Lead Foil	4.7	Rubber	
	421	Unlined plating tape.	Silver	6.3	Lead Foil	4.0	Rubber	
Nonwoven Paper	394	Air-permeable backing.	White	4.1	Nonwoven	4.0	Acrylic	
	3294	Most permeable venting tape.	Pink	5.0	Nonwoven	4.0	Acrylic	
	3394	Air-permeable backing.	Pink	4.1	Nonwoven	4.0	Acrylic	
	9343	Sound management tape with a nonwoven backing, acrylic adhesive. Conformable for irregular parts.	Black	17.0	Nonwoven	6.0	Acrylic	
Paper	200	Cost-effective, low temperature tape for attaching production records during an assembly process, warranty cards, or other temporary communications.	Tan	4.4	Crepe paper	N/A	Rubber	
	202	Medium temperature tape. PPP-T-42C, Type CID A-A883A, Type 1.	Tan	6.3	Crepe paper	N/A	Rubber	
	203	Low temperature tape.	Tan	4.7	Crepe paper	N/A	Rubber	
	213	High temperature, good on anodized aluminum.	Tan	6.5	Crepe paper	N/A	Rubber	
	214	High temperature, stain resistant.	Tan	6.7	Crepe paper	N/A	Rubber	
	225	Outdoor.	Various	5.8	Crepe paper	N/A	Rubber	
	226	Outdoor.	Tan	10.0	PE saturated crepe paper	N/A	Rubber	
	231	Designed to be used in a paint bake operation, up to 300°F (149°C) for 30 minutes.	Tan	6.1	Crepe paper	N/A	Rubber	
	231A	Best all-purpose paint masking tape. PPP-T-42C, Type 1; CID A-A883A, Type 1.	Tan	7.6	Crepe paper	N/A	Rubber	

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					Material	Caliper Mils		
Paper <i>continued</i>	232	Crepe paper tape with rubber adhesive. Designed to be used in the medium temperature paint bake operation, up to 250°F (121°C) for 30 minutes.	Tan	6.3	Crepe paper	N/A	Rubber	
	234	Crepe paper tape with rubber adhesive. Designed to be used in the medium temperature paint bake operation, up to 250°F (121°C) for 30 minutes.	Tan	6.0	Crepe paper	N/A	Rubber	
	235	Photographic masking.	Black	7.0	Paper	5.0	Rubber	
	250	Meets ASTM D6123M-97. Used in paint adhesion testing.	Tan	5.9	Flat stock paper	N/A	Rubber	
	253	Silicone butt splicing tape. Unique silicone treated backing	Tan	7.5	Paper	N/A	Silicone	
	255	Package sealing tape.	Tan	5.3	Paper	N/A	Rubber	
	256	Flatback masking tape for a wide variety of bundling and holding applications where a stronger paper backing is needed.	Red, white, green Ivory	6.7	Flat stock paper	N/A	Rubber	
	346	Heavy-duty protective tape.	Tan	16.7	Flat stock paper	15	Rubber	
	914	Repulpable business forms, splicing.	Blue	4.0	Paper	3.0	Acrylic	
	2214	Good for holding and bundling. CID A-A883A, Type 1	Tan	5.2	Crepe paper	N/A	Rubber	
	2307	Solvent-free construction; non-critical paint masking. CID A-A883A, Type 1; PPP-T-42C, Type 1	Tan	5.2	Crepe paper	N/A	Rubber	
	2308	Good transfer resistance.	Tan	5.3	Crepe paper	N/A	Rubber	
	2364	Cost-effective, high temperature performance.	Tan	6.5	Crepe paper	N/A	S/R Blend	
	2380	High temperature. Best holding to widest variety of surfaces.	Tan	7.5	Crepe paper	N/A	N/S/R Blend	
	2393	Low holding, high temperature paint masking. Use where clean removal is a problem.	Tan	7.6	Mini-Crepe paper	N/A	Rubber	
	2517	Flatback masking tape for a wide variety of bundling and holding applications where a stronger paper backing is needed.	Tan	6.4	Flat stock paper	N/A	Rubber	
	2525	Premium splicing, holding and bundling applications.	Orange	9.5	Flat stock paper	N/A	Rubber	
	2526	Excellent adhesion and strength for textile applications.	White	9.8	Flat stock paper	N/A	Rubber	
	2693	Very aggressive holding; excellent for multi-bake paint cycles.	Tan	8.5	Mini-Crepe paper	N/A	Synthetic	
	3051	Very low tack.	White	3.6	Paper	3.3	Acrylic	
	5559	Ultrathin water-contact indicator.	White	5.0	Paper	N/A	Acrylic	
	9968	Repulpable casting paper splicing tape.	White	4.0	Paper	3.2	Acrylic	
Polyester	222	High temperature, fine line masking tape.	White	2.4	Polyester Film	N/A	Acrylic	
	335	Low tack protective tape.	Pink	1.5	Polyester Film	0.9	Rubber	
	336	A polyester tape with a very low tack adhesive system for use as a protective tape.	Clear	1.5	Polyester Film	0.9	Rubber	

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					Material	Caliper Mils		
Polyester <i>continued</i>	396	Adhesion to low energy surfaces.	Trans- parent	4.1	Polyester	1.4	Rubber	
	630	High tack splicing, reflective tape.	Silver	3.7	Metallic polyester	1.0	Rubber	
	685	Transparent film with a green adhesive coated on the edges for holding rivets in place during processing.	Trans- parent/ green	1.7	Polyester	1.0	Rubber	
	850	Polyester film tape with acrylic adhesive. Used for splicing, holding, decorating, color-coding and sealing.	Red, White, Black, Gold, Silver, Clear	1.9	Metallic polyester	0.9	Acrylic	
	851	Performance silicone plating.	Green	3.6	Polyester	0.9	S/R Blend	
	853	Transparent polyester film tape with solvent-resistant adhesive. Used for butt splicing and tabbing applications.	Trans- parent	1.9	Polyester	0.9	Acrylic	F.A.R.
	856	Economy edge and hole reinforcing.	Trans- parent	2.0	Polyester	1.0	Acrylic	
	1278	SMOBC masking.	Blue	2.8	Polyester	0.9	Rubber Blend	
	1279	Plating tape.	Orange	4.1	Polyester	0.9	S/R Blend	
	1280	Performance silicone plating.	Red	3.6	Polyester	0.9	S/R Blend	
	3305	De-taping applications, clean room.	Trans- parent	2.7	Polyester	1.6	Rubber	
	5557	Water-contact indicator. UL-969	White	10.2	Polyester	N/A	Paper/ Acrylic	UL
	5558	Ultrathin water-contact indicator.	White	6.0	Polyester	N/A	Paper/ Acrylic	
	8402	Splicing tape. Adheres well to silicone.	Green	1.8	Polyester	0.9	Silicone	
	8403	Splicing tape. Adheres well to silicone.	Green	2.3	Polyester	1.5	Silicone	
	8411	Edge and hole reinforcing.	Trans- parent	1.5	Polyester	1.0	Acrylic	
	8412	Heavy-duty edge and hole reinforcing.	Trans- parent	6.3	Polyester	4.6	Acrylic	
	8421	Photo film splicing	White	2.5	Polyester	1.4	Rubber	
	8422	Photo film splicing.	Black	2.5	Polyester	1.4	Rubber	
	8429	Photo film splicing.	Yellow	3.2	Polyester	2.0	Rubber	
	8437	Low emissivity, reflective tape.	Silver	2.0	Metallic polyester	0.9	Acrylic	

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					Material	Caliper Mils		
Polyester <i>continued</i>	8901	A high temperature polyester tape used for flashbreaker tape in composite bonding as well as in composite bagging; general purpose splicing and to splice silicone coated papers and films.	Blue	2.6	Polyester	0.9	Silicone	
	8902	Thicker version of 8901.	Blue	3.4	Polyester	2.0	Silicone	
	8905	Thicker version of 8901.	Blue	6.5	Polyester	5.0	Silicone	
	8911	A transparent, high temperature polyester tape with a silicone adhesive. Used in composite bonding, splicing and other polyester tape applications requiring transparent tape.	Trans- parent	2.7	Polyester	1.0	Silicone	
	8951	A high temperature polyester tape used for flashbreaker tape in composite bonding as well as in composite bagging; general purpose splicing and to splice silicone coated papers and films.	Blue	2.7	Polyester	1.0	Silicone	
	8952	A high temperature polyester tape used for flashbreaker tape in composite bonding as well as in composite bagging; general purpose splicing and to splice silicone coated papers and films.	Blue	3.5	Polyester	2.0	Silicone	
	8952L	A high temperature lined tape with a silicone adhesive for use as a flashbreaker tape in composite bonding, as well as in composite bagging operations.	Blue	3.5	Polyester	2.0	Silicone	
Polyimide	5413	Polyimide film tape with silicone adhesive.	Amber	2.7	Polyimide	1.0	Silicone	
	1258	Low static, clean room tape.	Amber	2.7	Polyimide	1.0	Silicone	
	5419	Low static wave solder. Meets F.A.R. 25.853(a).	Amber	2.7	Polyimide	1.0	Silicone	F.A.R.
	5433	Unique and extremely low electrostatic discharge properties.	Amber	2.7	Polyimide	1.0	Silicone	
	5563	Non-silicone, low static.	Amber	1.65	Polyimide	1.0	Acrylic	
Polypropylene	218	Polypropylene plastic film tape with rubber adhesive. A high performance film backed tape with low profile and high adhesion to achieve excellent paint line and for other masking and holding applications.	Green	4.8	Polypropylene	N/A	Rubber	
	2185	Photo album edging.	White	3.4	Polypropylene	2.7	Rubber	
PTFE <i>Slick Surface</i>	547	Pipe thread sealant.	White	3.0	PTFE	3.0	None	
	5151	A woven glass cloth impregnated with PTFE tape which provides a high temperature release surface for protection and insulation.	Lt. Brown	4.5	Glass cloth impregnated w/ PTFE	3.0	Silicone	
	5153	Thicker version of 5151.	Lt. Brown	6.8	Glass cloth impregnated w/ PTFE	5.3	Silicone	
	5180	Skived PTFE film tape used for roller wrapping and other slick surface applications.	Gray	3.5	PTFE	2.0	Silicone	
	5181	Thicker version of 5180.	Gray	6.5	PTFE	5.0	Silicone	
	5451	A woven glass cloth impregnated with PTFE tape which provides a high temperature release surface for protection and insulation.	Brown	5.6	Glass cloth impregnated w/ PTFE	3.2	Silicone	
	5453	Thicker version of 5451.	Brown	8.2	Glass cloth impregnated w/ PTFE	6.0	Silicone	

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					Material	Caliper Mils		
PTFE <i>Slick Surface continued</i>	5480	Skived PTFE film tape used for roller wrapping and other slick surface applications.	Gray	3.7	PTFE	2.0	Silicone	
	5481	Skived PTFE film tape used for roller wrapping and other slick surface applications.	Gray	6.8	PTFE	5.0	Silicone	
	5490	Extruded PTFE Film tape with silicone adhesive used in many slick surface applications.	Gray	3.7	PTFE	2.0	Silicone	
	5491	Thicker version of 5490.	Gray	6.7	PTFE	5.0	Silicone	
	5498	PTFE film tape with rubber silicone-free adhesive.	Brown	4.0	PTFE	2.0	Rubber	
Polyethylene-Ultra High Molecular Weight (UHMW-PE) <i>Slick Surface</i>	5421	Low coefficient of friction combined with abrasion resistance make this tape an effective solution for many noise and vibration problems.	Trans-lucent	6.7	UHMW-PE	5.0	Rubber	
	5423	Thicker version of 5421. Low coefficient of friction combined with abrasion resistance make this tape an effective solution for many noise and vibration problems.	Trans-lucent	11.7	UHMW-PE	10.0	Rubber	
	5425	Solvent-resistant adhesive. Low coefficient of friction combined with abrasion resistance make this tape an effective solution for many noise and vibration problems.	Trans-lucent	4.5	UHMW-PE	3.0	Acrylic	
	5430	Transparent UHMW polyethylene film tape with acrylic adhesive.	Trans-lucent	6.5	UHMW-PE	5.0	Acrylic	
	9324	Black version of 5430 Tape.	Black	7.0	UHMW-PE	5.0	Acrylic	
	9325	Thin version of 5430 Tape.	Trans-parent	5.0	UHMW-PE	3.0	Acrylic	
Vinyl	470	A conformable and abrasion resistant vinyl tape with excellent resistance to most chemicals used in typical electroplating processes.	Tan	7.1	Vinyl	6.3	Rubber	HH-T-0025 Am 2
	471	Vinyl plastic tape ideal for color-coding, abrasion protection, decoration, sealing, patching, splicing, wrapping, and general purpose. Available in 9 colors and transparent.	Yellow, white, red, black, brown, green, orange, purple, blue, transparent	5.2	Vinyl	4.1	Rubber	
	472	Abrasion resistant, high temperature resistant.	Black	10.4	Vinyl	9.0	Rubber	
	477	Abrasion resistant. Tapes and seals irregular surfaces.	Trans-parent	7.2	Vinyl	6.0	Rubber	
	484	Lower adhesion than 470 Tape.	Tan	7.2	Vinyl	5.7	Rubber	
	764	A general purpose vinyl tape for use in non-critical applications such as color-coding, bundling and safety marking.	Yellow, red, white, black, blue, green, orange, gray, purple, brown, transparent	5.0	Vinyl	4.0	Rubber	
	766	A general purpose hazard marking vinyl tape for use in non-critical applications.	Black & Yellow stripes	5.0	Vinyl	4.0	Rubber	
	767	A general purpose hazard marking vinyl tape for use in non-critical applications.	Red & White stripes	5.0	Vinyl	5.0	Rubber	

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3M™ Single Coated Tapes

3M™ Single Coated Tapes

Material (alphabetical order)	Product	Typical Performance Characteristics/ Application Ideas	Color	Total Cal. Mils	Backing		Adhesive Type	Specs
					Material	Caliper Mils		
Vinyl <i>continued</i>	1251	General purpose, clean room tape.	White, Yellow, Transparent	5.2	Vinyl	4.1	Rubber	
	4712	Lined version of 471 for die-cutting applications.	Brown, White, Blue, Green, Yellow, Orange, Red, Black, Purple, Transparent	5.0	Vinyl	4.1	Rubber	
	4731	Electroplating. Flame retardant and weather resistant.	Purple	7.0	Vinyl	6.0	Rubber	
	4735	Vinyl plastic film tape with rubber adhesive.	Orange	5.3	Vinyl	N/A	Rubber	
	4735L	Lined version of 4735.	Orange	7.7	Vinyl	N/A	Rubber	
	4737S	High temperature, fine line masking tape.	Solid blue	5.1	Vinyl	N/A	Rubber	
	4737T	High temperature, fine line masking tape.	Translucent blue	5.1	Vinyl	N/A	Rubber	
	5700	Adhesive side printing. For lane and safety marking.	Black & White stripes	5.4	Vinyl	4.2	Rubber	
	5702	Adhesive side printing. For lane and safety marking.	Black & Yellow stripes	5.4	Vinyl	4.2	Rubber	
Miscellaneous Film Tapes	215	Medium temperature, fine line masking tape. Conformable.	Blue	4.7	Plastic film	N/A	Rubber	
	480	Good chemical and solvent resistance, conformable, abrasion resistant.	Transparent	5.1	Polyethylene	3.8	Acrylic	
	481	Preservation sealing tape.	Black	9.5	Polyethylene	7.5	Rubber	
	483	Conformability, UV resistance, and clean removal for sealing end cap on metal pipes stored outdoors.	Black, Blue, Green, red, white, Yellow, Transparent	5.3	Polyethylene	3.9	Rubber	
	616	Lithographers tape.	Ruby Red	2.4	UPVC	1.6	Rubber	
	695	Polyethylene film with a rubber-strip coated along edges of tape only and tack-free center. Riveters tape.	Yellow	3.0	Polyethylene	2.0	Acrylic	
	838	Weather-resistant film. MIL-T-22085 Amend 3, Type IV. Meets F.A.R. 25.853(a).	White	3.4	Tedlar®film	2.1	Acrylic	F.A.R.
	855	Composite bonding tape.	Cream	3.2	Nylon	2.0	Rubber	
	5401	Traction tape.	Tan	9.3	Fiberglass Silicone	8.0	Silicone	
	5414	Water-soluble tape.	Transparent	2.5	PVA	1.3	Synthetic	
	5461	High friction roller tape.	White	9.1	Silicone Rubber	7.8	Rubber	
	7590	Photoelectric grade with a smooth surface sheeting and a paper liner.	Opaque	11.0	Photoelectric White	7.0	Acrylic Scotchlite™	
	7800T	Photoelectric Scanning (linerless); Designed for use as expandable code marks in automatic conveyor operations.	Medium Gray	7.0	Photoelectric Scotchlite™	7.0	Acrylic	
	8555	Thicker version of 855, composite bonding tape.	Cream	6.0	Nylon	5.0	Rubber	

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3M™ Single Coated Foam Tapes

	Product Number/Color	Description	Adhesive	Approximate Thickness	Density lb/cu ft (kg/cu m)	Tensile Strength (psi (kPa))	Compression Deflection 25% psi (kPa)	Compression Set % Loss	Temperature Tolerance	
									Short-Term	Long-Term
Urethane	4104* Natural White	- Firm, rigid, open cell urethane foam for cushioning - Allows air or gas vapors to pass through - Not recommended for outdoor use	350 Acrylic	0.250" (6mm)	12 (192)	115 (795)	4 (27.6)	8	350°F (176°C)	200°F (93°C)
	4108 Natural White			0.125" (3mm)	16 (256)	130 (895)	6 (82.8)	8		
	4116 Natural White			0.062" (1.5mm)	18 (288)	115 (795)	12 (82.8)	12		
	4314 Charcoal Gray	- Soft conformable, low density foam can help seal out air, dust and light when compressed 50% - Used to help damp sound and absorb vibration in electronics	430 Acrylic	0.250" (6mm)	2 (32)	25 (170)	0.3 (2.1)	5	250°F (121°C)	150°F (66°C)
	4317* Charcoal Gray			0.375" (9.5mm)	2 (32)	25 (170)	0.3 (2.1)	5		
	4318 Charcoal Gray			0.125" (3mm)	2 (32)	25 (170)	0.3 (2.1)	5		
Vinyl	4504* Black	- Durable, flexible, closed cell vinyl foams with excellent aging characteristics - Weather resistant - Can help to seal out dust, light and moisture when placed under 30% compression. - Liner over PSA	430 Acrylic	0.250" (6mm)	20 (320)	90 (620)	4 (27.6)	15	250°F (121°C)	150°F (66°C)
	4508* Black		430 Acrylic	0.125" (3mm)	20 (320)	100 (690)	4 (27.6)	15		
	4516* Black		430 Acrylic	0.062" (1.5mm)	25 (400)	130 (895)	4 (27.6)	15		
	4714* Black		430 Acrylic	0.250" (6mm)	14 (225)	75 (515)	2 (13.8)	5		
	4718* Black		430 Acrylic	0.125" (3mm)	20 (320)	100 (690)	4 (27.6)	15		
	4726* Black		430 Acrylic	0.062" (1.5mm)	20 (320)	130 (895)	3 (20.7)	15		

* Meets requirements of UL 94HBF.

3M™ Single Coated Foil/Foam Sheets

Product Master	Description	Sheets Per Case	Sheet
4014	25 Mil Aluminum/ Urethane Foam	50	6" x 48"
		25	12" x 48"
		15	18" x 48"

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3M™ Single Coated Tapes

3M™ Repulpable Tapes

To achieve true quality, a tape must meet all your needs. Outstanding strength is not enough. The tape must be easy to use, easy to choose, readily available and fully repulpable. Over the past four decades, we've built our reputation as an

industry leader by being responsive to the increasingly complex needs of paper producers. Today, our customer base consists of clients who demand no less of their product than we demand of ours.

Type	Product	Color	Comments	Tape Thickness mils(mm)	Tape Structure Backing/Adhesive	Liner		Heat Resistance (F/C)	FDA Approved
						Type	Thickness mils/(mm)		
Permanent Double Coated	405	Lt. Green	Excellent for raw and starch-treated papers.	3.0 (0.08)	Tissue/Repulpable	UPVC	1.7 (0.04)	400 (200)	
	900	Blue	Recommended for LWC papers.	2.5 (0.06)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	•
	900B	Blue	Recommended for supercalendered papers.	2.5 (0.06)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	•
Permanent Single Coated	901	Lt. Green	Excellent for raw and starch-treated papers.	4.0 (0.10)	Paper/Repulpable	UPVC	1.7 (0.04)	400 (200)	
	910	Blue	Recommended for coated and uncoated papers and paperboard.	4.0 (0.10)	Paper/Repulpable	—	—	400 (200)	•
	9103	Blue	Printable, coatable backing.	4.5 (0.11)	Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	•
	9114	Blue	The easiest way to make a butt splice. Printable.	4.5 (0.11)	Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	•
	9960	Blue	Thinnest butt splicing tape for light weight uncoated and coated and supercalendered papers.	2.2 (0.06)	Paper/Repulpable	Paper	2.9 (0.07)	350 (180)	•
	9969	Blue/White	Very thin butt splicing/cover tape for uncoated, newsprint and most coated papers.	2.2 (0.06)	Paper/Repulpable	Paper	2.9 (0.07)	350 (180)	•
Temporary Double Coated	905	Clear	Thinnest, fiber reinforced adhesive transfer tape.	2.0 (0.05)	None/Repulpable	Paper	3.3 (0.08)	250 (120)	•
	906	Blue/White	Flying splice at the Off-Machine Coater (OMC).	3.0 (0.08)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	•
	913	Blue	Paster tape for splices at newspaper printers.	3.5 (0.09)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	
	9038	Blue/White	General purpose plus flying splice for the commercial printers and corrugators.	3.5 (0.09)	Tissue/Repulpable	Paper	3.2 (0.08)	350 (180)	•
	9069	Blue	Excellent for newsprint or directory stock.	3.5 (0.09)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	
	R3227	Blue/White	Core starting, roll closing and general purpose temporary splicing.	3.5 (0.09)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	•
	R3287	White	Heavy tissue, very high tack for core starting.	5.5 (0.14)	Tissue/Repulpable	Paper	3.2 (0.08)	400 (200)	•
Temporary Single Coated	R3127	Blue/White Kraft/Red	General purpose, excellent holding power.	4.5 (0.11)	Paper/Repulpable	—	—	400 (200)	•
	R3187	Blue/White/ Kraft/Black	General purpose ,strong repulpable backing.	7.0 (0.18)	Paper/Repulpable	—	—	400 (200)	•
Splittable Flying Splice(SFS)	R9990	Blue	Splittable flying splice (SFS) system with metalized layer for autosensing and splice detection applications.	3.5 (0.09)*	Aluminumized Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	
	R9993	Blue	All in one tabbing and splicing tape for newspaper, rotogravure and non-heatset printing applications.	2.5 (0.06)*	Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	
	R9996	Blue	Thinnest SFS tape for splicing applications in papermill and paper converting coating operations.	2.5 (0.06)*	Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	
	R9999	Blue	Heavy duty SFS tape for flying splices on heavy papers and high tension web processing applications.	4.5 (0.12)*	Paper/Repulpable	Paper	2.9 (0.07)	400 (200)	

* Reported tape thickness is the caliper of the splice as it passes through coating and printing operations.

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3M™ Protective Tape Products – Short-Term Protection

Product	Tape Structure (Backing/Adhesive)	Total Thickness mils (mm)	Adhesion to Steel oz./in. width	Tack Level	Elongation at Break %	Application Ideas
Based on ASTM Test Method:		D-3652	D-3330		D-3759	
Nominal Results						
Carpet Tapes						
2E79	Polyethylene/Acrylic	2 (0.05)	20	High	600	Automotive carpeted areas, fabric seals and headliners.
2E93EZ	Polyethylene/Acrylic	2 (0.05)	25	Very high	600	Automotive carpets, fabric seals and headliners.
2E95EZ	Polyethylene/Acrylic	2 (0.05)	35	Very high	600	Automotive carpets, fabric seals and headliners.
2E97C	Polyethylene/Acrylic	2 (0.05)	35	Very high	600	Automotive carpets, fabric seals and headliners.
2E98C	Polyethylene/Acrylic	2 (0.05)	45	Very high	600	For marine carpet only.
4193EZ	Polyethylene/Acrylic	4 (0.10)	25	Very high	600	Residential carpet tape.
5193EZ	Polyethylene/Acrylic	5 (0.13)	30	Very high	600	Residential carpet tape.
3195EZ	Polyethylene/Acrylic	3 (0.08)	25	Very high	600	Higher adhesion for treated carpet.
4195EZ	Polyethylene/Acrylic	4 (0.10)	30	Very high	600	Higher adhesion for treated carpet.
Cold Seal®¹ Films						
3130	Polyethylene/Rubber	3 (0.08)	14*	N/A	450	Cohesive film used to package small machine parts, hand tools and literature.
4130	Polyethylene/Rubber	4 (0.10)	12*	N/A	450	Cohesive film used to package small machine parts, hand tools and literature.
5130	Polyethylene/Rubber	5 (0.13)	11*	N/A	450	Cohesive film used to package small machine parts, hand tools and literature.
Co-Extruded "A" Tapes						
2A04	Co-Extruded/Acrylic	2 (0.05)	1	Very low	600	High-gloss coated metals, glass, CRT screens.
2A05	Co-Extruded/Acrylic	2 (0.05)	2	Very low	600	High-gloss plastic laminates, mirror and glass products. For gloss painted metals.
2A10	Co-Extruded/Acrylic	2 (0.05)	2	Very low	600	Gloss decorative laminates. Smooth acrylic sheet and film. For gloss painted metals.
2A12	Co-Extruded/Acrylic	2 (0.05)	4	Low	600	Painted, gloss finish architectural building panels. Extruded, painted urethane moldings.
2A25	Co-Extruded/Acrylic	2 (0.05)	6	Moderate	600	Painted building panels. Automotive moldings and urethane fascias.
2A26	Co-Extruded/Acrylic	2 (0.05)	9	Moderate	600	Painted, embossed, metal building panels, canopies and molded fiberglass.
2A29	Co-Extruded/Acrylic	2 (0.05)	10	Moderate	600	Brushed aluminum. Textured, plastic automotive moldings. Offers excellent protection for mill finished aluminum and steel surfaces.
2A87	Co-Extruded/Acrylic	2 (0.05)	14	High	600	Matte decorative and vinyl laminates.
2A88	Co-Extruded/Acrylic	2 (0.05)	15	High	600	Matte decorative and vinyl laminates. Matte, plastic screen-printed nameplates.
2A89	Co-Extruded/Acrylic	2 (0.05)	15	High	600	Matte decorative and vinyl laminates. Matte, plastic screen-printed nameplates.
25A10	Co-Extruded/Acrylic	3 (0.08)	2	Very low	600	Specular anodized aluminum. Bright annealed or polished stainless.
25A12	Co-Extruded/Acrylic	3 (0.08)	3	Low	600	Smooth, gloss painted building panels. Premask for vinyl pinstriping, decals and emblems.
25A25	Co-Extruded/Acrylic	2 (0.05)	7	Moderate	600	Semi-gloss painted metals and plastic surfaces. Automotive moldings.
25A26	Co-Extruded/Acrylic	2 (0.05)	9	Moderate	600	Embossed, painted metal building panels. Molded fiberglass.
25A29	Co-Extruded/Acrylic	3 (0.08)	9	Moderate	600	Satin or bronzed painted aluminum and brushed finished steel and aluminum, textured plastics.
25A87	Co-Extruded/Acrylic	3 (0.08)	13	High	600	Brushed aluminum and stainless. Hand applied to cultured marble (typically dusty surface).
25A88	Co-Extruded/Acrylic	3 (0.08)	15	High	600	Matte high-pressure laminates. For matte finished automotive plastic parts.
25A89	Co-Extruded/Acrylic	3 (0.08)	15	High	600	Matte high-pressure laminates. For matte finished automotive plastic parts.
5A29	Co-Extruded/Acrylic	2 (0.05)	10	Moderate	600	Offers superior protection for mill finished aluminum and steel surfaces.

Selected tapes are available in transparent, blue, white and black/white. For information regarding available colors, contact Protective Tapes customer service at 1-800-241-2031.

* Value measured as a cohesive bond strength in units.

¹ "Cold Seal" is a registered trademark of Sealed Air Corporation.

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3M™ Single Coated Tapes

3M™ Protective Tape Products – Short-Term Protection

Product	Tape Structure (Backing/Adhesive)	Total Thickness mils (mm)	Adhesion to Steel oz./in. width	Tack Level	Elongation at Break %	Application Ideas
Based on ASTM Test Method:		D-3652	D-3330		D-3759	
Nominal Results						
Co-extruded Black/white Tapes						
25M26X	Co-Extruded/Acrylic	3 (0.08)	8	Moderate	600	For mill finished steel and aluminum, dull painted surfaces.
3W25X	Co-Extruded/Acrylic	3 (0.08)	5	Moderate	450	For mill finished steel and aluminum, semi-gloss painted surfaces.
3W26X	Co-Extruded/Acrylic	3 (0.08)	7	Moderate	450	For mill finished aluminum and 2B finished steel sheets and coil.
3W29X	Co-Extruded/Acrylic	3 (0.08)	8	Moderate	450	For brushed aluminum and steel sheets and coil, satin or bronzed painted metals.
3W55X	Co-Extruded/Acrylic	3 (0.08)	9	Moderate	450	Painted metal sandwich panels, painted semi-gloss aluminum and steel finishes.
Flame Retardant Tapes						
4F79	Polyethylene/Acrylic	4 (0.10)	15	High	600	Flame retardant carpet tape complies to F.A.R. 25.853 (appendix F, part 25).
Polyethylene Tapes						
2104	Polyethylene/Acrylic	2 (0.05)	1	Very low	450	Glass. CRT screens. LED, LCD screens.
2105	Polyethylene/Acrylic	2 (0.05)	2	Very low	450	Bright annealed or polished steel sheets and coils. Mirrors and glass products. LCD, CRT screens.
2110	Polyethylene/Acrylic	2 (0.05)	3	Low	450	Extruded, molded, plastic automotive trim. Gloss-finished decorative laminates.
2112	Polyethylene/Acrylic	2 (0.05)	4	Low	450	Painted gloss finish metal building panels. Premask for vinyl pinstripping and decals.
2125	Polyethylene/Acrylic	2 (0.05)	5	Moderate	450	Painted, embossed, architectural building panels. Semi-gloss laminates and acrylic sheets.
2126	Polyethylene/Acrylic	2 (0.05)	7	Moderate	450	Slightly textured plastics, steel garage doors, metal extrusions and painted building panels.
2187	Polyethylene/Acrylic	2 (0.05)	14	Moderate	450	For textured plastics and metals.
3104	Polyethylene/Acrylic	3 (0.08)	1	Very low	450	High-gloss coated metals. CRT and LCD screens.
3105	Polyethylene/Acrylic	3 (0.08)	2	Very low	450	Bright annealed or polished steel sheets and coils. Mirrors and glass products. Cell phones, windows, CRT and LCD screens.
3110	Polyethylene/Acrylic	3 (0.08)	2	Very low	450	Bright annealed or polished stainless. Gloss, painted metals.
3112	Polyethylene/Acrylic	3 (0.08)	3	Low	450	Smooth, gloss, painted building panels. Premask for vinyl pinstripping, decals and emblems.
3125	Polyethylene/Acrylic	3 (0.08)	5	Moderate	450	Cut-to-length metal sheets in fabrication, shipping and storage. Semi-gloss, painted metals and plastic surfaces.
3126	Polyethylene/Acrylic	3 (0.08)	7	Moderate	450	Embossed, painted, metal building panels. Mill-finished aluminum and stainless sheets or coils in fabrication and shipping.
3173	Polyethylene/Acrylic	3 (0.08)	4	Low	450	Premask for vinyl pinstripping, decals and lettering.
3179	Polyethylene/Acrylic	3 (0.08)	20	High	450	Nonskid fiberglass. Fabric seams and headliners. Auto ABS scuff plates.
3187	Polyethylene/Acrylic	3 (0.08)	11	High	450	Brushed aluminum and stainless. Hand applied to cultured marble (typically dusty surface).
3188	Polyethylene/Acrylic	3 (0.08)	13	High	450	Matte, high-pressure laminates. Matte plastics.
4112	Polyethylene/Acrylic	4 (0.10)	3	Low	450	Premask for vinyl decals and pinstripping. Polished stainless and specular finish anodized aluminum sheets and coils.
4125	Polyethylene/Acrylic	4 (0.10)	5	Moderate	450	Polished #3 and #4 finished stainless coils or sheets.
4126	Polyethylene/Acrylic	4 (0.10)	7	Moderate	450	Molded fiberglass or acrylic tubs and spas. Automotive applications such as: bumpers, fascias, body side molding paint protection, tail lights or window glass.
4167	Polyethylene/Acrylic	4 (0.10)	18	High	450	Textured decorative laminates and vinyl. Woodgrain laminates, matte plastics.
4179	Polyethylene/Acrylic	4 (0.10)	20	High	450	Dissimilar metals. Automotive kick plates.
4187	Polyethylene/Acrylic	4 (0.10)	13	High	450	Cultured marble and molded fiberglass. Woodgrain vinyl decorative laminates.
4188	Polyethylene/Acrylic	4 (0.10)	15	High	450	Brushed anodized aluminum. Matte plastics or high-pressure laminates.

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3M™ Protective Tape Products – Short-Term Protection

Product	Tape Structure (Backing/Adhesive)	Total Thickness mils (mm)	Adhesion to Steel oz./in. width	Tack Level	Elongation at Break %	Application Ideas
Based on ASTM Test Method:		D-3652	D-3330		D-3759	
Nominal Results						
Polyethylene Tapes (continued)						
5112	Polyethylene/Acrylic	5 (0.13)	3	Low	450	Mirror-finish stainless, specular anodized aluminum. Automotive applications such as: paint mutilation, tail lights, lens covers and window glass.
5125	Polyethylene/Acrylic	5 (0.13)	3	Low	450	Painted metal, gloss finish building panels. Coated metal automotive trim.
5126	Polyethylene/Acrylic	5 (0.13)	5	Moderate	450	Mill finish aluminum and stainless coils and sheets. Molded fiberglass, polyester tubs and showers.
5187	Polyethylene/Acrylic	5 (0.13)	10	Moderate	450	Cultured marble, textured plastics, matte painted metals.
5188	Polyethylene/Acrylic	5 (0.13)	15	High	450	Cultured marble, textured plastics, matte painted metals.
8179	Polyethylene/Acrylic	8 (0.21)	15	High	450	Dissimilar metals.
Polyester Tapes						
1614	Polyester/Acrylic	1 (0.03)	2	Very low	88	High-pressure laminates, name plates, instrument panels, clock faces and cell phone windows.
1675	Polyester/Acrylic	1 (0.03)	2	Very low	88	High-pressure laminates, name plates and instrument panels.
Polypropylene Tapes						
24S56W	Polypropylene/Acrylic	3 (0.08)	9	Moderate	700	White tape for painted metals, plastic surfaces and automotive clearcoat paint finishes.
44S56W	Polypropylene/Acrylic	4 (0.10)	9	Moderate	800	White tape for painted metals, plastic surfaces and automotive clearcoat paint finishes.
64S58W	Polypropylene/Acrylic	6 (0.15)	9	Moderate	630	Use on base, clearcoat and high gloss painted surfaces. Ideal for mutilation protection.
84S58W	Polyethylene/Acrylic	8 (0.20)	6	Moderate	1000	White tape for painted metals, plastic surfaces and automotive clearcoat paint finishes.
Other Protective Tapes						
335/Pink	Polyester/Rubber	2 (0.05)	2	Very low	125	Low tack protective tape.
336/Clear	Polyester/Rubber	1.5 (0.04)	1	Very low	115	Transparent, low tack protective tape, good attachment to smooth surfaces.
346/Tan	Flat Paper Stock/Rubber	17 (0.42)	22	Very high	4	Heavy-duty protective tape.
9343/Black	Nonwoven/Acrylic	16 (0.42)	27	Very high	300	Conformable for irregular shaped parts.
UV Tapes						
2AU23B/UV	Co-extruded A	2 (0.05)	3	Low	600	For glass and window frames with a high-gloss surface, high-gloss painted metals and plastics.
2AU26B/UV	Co-extruded A	2 (0.05)	7	Moderate	600	For flat finished vinyl and aluminum window frames, flat finished painted metals and plastics.
31U23C/UV	Polyethylene/Acrylic	3 (0.08)	3	Low	450	For glass and window frames with a high-gloss surface, high-gloss painted metals and plastics.
31U26C/UV	Polyethylene/Acrylic	3 (0.08)	7	Moderate	450	For flat finished vinyl and aluminum window frames, flat finished painted metals and plastics.

Selected tapes are available in transparent, blue, white and black/white. For information regarding available colors, contact Protective Tapes customer service at 1-800-241-2031.

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3M™ Single Coated Tapes

3M™ Polyurethane Protective Tapes (PPT) – Long-Term Protection

Product	Tape Structure (Backing/Adhesive)	Color	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lbs./in. (N/100 mm)	Elongation at Break %	Maximum Service Temp °F (°C)	Comments
ASTM Test Method			D-3652	D-3330	D-3759			
Indoor Type								
8547	Polyurethane/Acrylic	Transparent	13 (0.33)	14 (15)	75 (1313)	500	Up to 275° F (135°C)	Flame resistant/low tack (passes NFPA 701).
8560	Polyurethane/Rubber	Transparent	14 (0.35)	18 (19.7)	76 (1313)	500	Up to 275° F (135°C)	Indoor grade with quick grab adhesive.
8561	Polyurethane/Acrylic	Transparent	14 (0.35)	62 (67)	77 (1313)	500	Up to 275° F (135°C)	Indoor grade.
8616	Polyurethane/Acrylic	Transparent	12	82 (90)	32 (560)	500	Up to 200°F (93°C)	Excellent bond to plasticized vinyl's.
8617	Polyurethane/Rubber	Transparent	12	105 (110)	32 (560)	500	Up to 150°F (65°C)	Used as a patch on canvas, rubber, leather, and as a fabric joining tape.
8686	Polyurethane/Flame Ret.	Transparent	6	23 (25) Aluminum	32 (560)	500	Up to 150°F (65°C)	Meets FAR 25.853. low tack adhesive.
Outdoor Type								
8663	Polyurethane/Acrylic	Transparent	18 (0.46)	100 (110)	117 (2049)	500	Up to 275° F (135°C)	Excellent as a moisture barrier.
8671	Polyurethane/Acrylic	Transparent	14 (0.35)	86 (94)	80 (1400)	500	Up to 275° F (135°C)	Durable erosion protection with paper liner.
8672	Polyurethane/Acrylic	Transparent	8 (0.25)	79 (83)	40 (700)	500	Up to 275° F (135°C)	Thin durable erosion protection.
8673	Polyurethane/Acrylic	Transparent	14 (0.35)	86 (94)	80 (1400)	500	Up to 275° F (135°C)	Durable erosion protection with best UV stability. RESTRICTED AVAILABILITY OVER 12" WIDE.
8674	Polyurethane/Acrylic	Transparent	8 (0.20)	60 (66) Aluminum	48 (842)	500	Up to 200°F (93°C)	Durable erosion protection with best UV stability. Dual liner. RESTRICTED AVAILABILITY OVER 12" WIDE.
8681HS	Polyurethane/Acrylic	Matte Clear Military Gray	14 (0.35)	95 (104)	87 (1524)	500	Up to 275° F (135°C)	Durable erosion protection with high shear adhesive.
Preformed Boots	Polyurethane/Acrylic	Multiple Options	14-41	All based on input film		500	Up to 200°F (93°C)	Over 500 preformed boot shapes are available. www.3M.com/Boots

[†]Meets ASTN D6123/Db123M-97 *Up to 30 minutes **Up to 60 minutes

NOTE: This technical information and data should be considered representative or typical only and should not be used for specification purposes.