

Polyurethane Protective Tapes

High Performance Surface Protection

3M™ Polyurethane Protective Tapes are constructed from a highly durable, aerospace grade polymer. They are coated with a high performance, pressure-sensitive adhesive, to provide exceptionally tough surface protection and impact resistance.

Product Features

- Puncture, abrasion and erosion resistant
- Install wet or dry
- uv Stable
- Environmentally durable adhesives
- Fast and easy application
- Conformable to complex shapes
- Can be die-cut, plotter cut or formed into 3D shapes
- Permanent or temporary protection
- Solvent-free product technology

For Durability

3M™ Polyurethane Protective Tape 8674 and 8673

3M 8674 and 8673 tapes are the latest generation in the range of 3M polyurethane protective tapes, formulated to give maximum uv resistance and clear transparency. They can be installed quickly without the use of any special tooling.



Easy Cleaning

3M™ Polyurethane Protective Tape 8666

3M 8666 tape is a long-lasting urethane tape with an easy-clean, clear coating. Excellent die or plotter cutting for large to small part protection.



For Temporary Protection

3M™ Polyurethane Protective Tape 8547

3M 8547 tape is a removable, flame resistant tape. Its unique adhesive formula ensures the product is easily removed from the surface without leaving residue, even after long exposure to uv rays. 3M 8547 tape is commonly used to protect components from surface damage during the manufacture and transportation process, in addition to the preservation of glass windows, brass and equipment during welding operations.



Reinforce, Seal & Repair

3M™ Polyurethane Protective Tape 8617 and 8616

3M 8616 and 8617 tapes provide an exceptionally strong adhesive, formulated for high-bond strength to a variety of surfaces. They are ideal for reinforcing and sealing plastic, vinyl, rubber, leather and suede. They are commonly used for inflatables, fabric, tents, banners, sails and awnings.



3M™ Polyurethane Protective Tapes



		PRODUCTS							
Property	Units	8547	8616	8617	8666	8671	8673	8674	
Color	Color	Transparent	Matte Transparent	Matte Transparent	Transparent or Yellow	Gloss White	Transparent	Transparent	
Application		Heavy duty, temporary protection of glass, plastic, and composites	Plastisized vinyl and fabric sealing and reinforcement	Rubber sealing Non uv-exposed applications	Long term, heavy duty paint, composite, and metal protection	Long term, heavy duty paint, composite, and metal protection	Long term, light to moderate paint, composite, and metal protection	Long term, heavy duty paint, composite, and metal protection	
Unique Feature		Flame retardant, transparent, easily removable	Ability to bond to many different surfaces	Ability to bond to many different surfaces	Clear coated for easy cleaning	Gloss white for paint replacement	Thick and clear, best uv stability	Thin and very clear, best uv stability	
Thickness	Inches	0.013	0.016	0.016	0.009	0.014	0.014	0.008	
Standard Roll length	36 yd	36 yd	36 yd	36 yd	36 yd	36 yd	36 yd	36 yd	
Maximum roll width	Inches	48	24	6	48	48	12	48	
Liner type	Type	Polyethylene	Paper	Paper	Polyethylene	Paper or Polyethylene	Polyethylene	Polyethylene	
Weight	lb/sq. yd	0.69	0.62	0.56	0.45	0.81	0.81	0.41	
Tensile Strength	lb/inch	75	32	32	18	80	70	48	
Typical Elongation	%	400	500	500	400	500	500	500	
Adhesive	Type	Removable Acrylic	Tacky Acrylic	Tacky Rubber	Acrylic	Acrylic	Acrylic	Acrylic	
Adhesion to:									
	Bare Aluminum	oz per inch	11	60	90	n/a	69	69	60
	Acrylic Enamel Paint	oz per inch	16	n/a	n/a	n/a	48	48	51
	Vinyl	oz per inch	n/a	80	n/a	n/a	n/a	n/a	n/a
	Stainless Steel	oz per inch	n/a	82	105	60	n/a	n/a	n/a

Note: The data in this table represents typical values and should not be used for specification purposes. Additional data is available by contacting your local 3M sales specialist or a 3M customer service representative.

Important Notice: 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the products is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

The statements and technical information presented here are based on tests and data which 3M believes to be reliable, but the accuracy or completeness of such statements and technical information is not guaranteed.

Limitation of Remedies and Liability: If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

These products were manufactured under a 3M quality standard registered under ISO9001 standards.



Aerospace and Aircraft Maintenance Department

Building 0223-01-N-14
St. Paul, MN, 55144-1000
Phone 1 800 362 3550
www.3m.com/aerospace

Please recycle. Printed in USA.
© 3M 2007. All rights reserved.
60-9700-0125-5