

3M™ Polyurethane Protective Tape 8734 NA

Technical Data Sheet

Product Description

3M™ Polyurethane Protective Tape 8734NA is a UV stable polyurethane elastomer film that resists punctures, tearing and abrasion. 3M 8734NA Tape is specifically designed for use in composite/bonding processes, with cure temperatures up to 350°F (177°C). 8734NA is able to be co-cured into composite structures or can be adhesively bonded onto pre-cured parts with appropriate structural adhesives to improve the erosion or impact resistance of the composite. 3M 8734NA Tape was formulated for optimized bonding using 3M structural adhesive films 3M™ Scotch-Weld™ Structural Adhesive Films AF163-2 and AF191. 3M 8734NA Tape is available in matte black.

Typical Physical Properties and Performance Characteristics

1. The following technical information and data should be considered representative or typical only and should not be used for specification purposes.
2. ASTM = American Society of Testing and Materials.
3. Metric values are listed in parenthesis.

Dimensions

Approximate applied Thickness	0.006 inch (0.15 mm) = Film
Standard Roll Length	36 yd (32.9 m)
Available Widths	Minimum ½ inch Maximum 24 inches (2.54 cm to 61 cm)
Approximate Weight*	0.32 lb/yd ² (174 g/m ²)

Typical Physical Properties and Performance Characteristics:

Property	Test Method	Units U.S. (SI)	Typical Value
Tensile Strength @ Break	ASTM D882	lb/in (N/100 mm)	35 (613)
Elongation % @ Break	ASTM D882	%	400
Taber Abrasion Mass Loss	ASTM C50, H18, 1 kg, 1000 cycles	g	0.02
Hardness	ASTM D2240	Shore A	83
Temperature Capability	3M 8734 NA Tape can be used in applications with continuous temperatures up to 180°F (82°C) and in processes with short-term exposure to temperatures up to 350°F (177°C).		

Shipping and Storage

No special/hazardous labeling or packaging required and no regulations for air, ground or water shipment for this product.

Keep film in clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to shipping carton.

Shelf Life: Two (2) years from data of manufacture or as expressly certified by 3M.

Additional Information

In the U.S. call toll free 1-800-235-2376, or fax 1-800-435-3082 or 651-737-2171. For U.S. Military, call 1-866-556-5714. If you are outside of the U.S., please contact your nearest 3M representative.

These products were manufactured under a 3M Quality Management System registered to the AS9100 standard

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Automotive & Aerospace Solutions Division
3M Center
St. Paul, MN 55144-1000
Phone 1-800-328-1684
Web www.3M.com/aerospace

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