

3M™ Polyurethane Protective Tape 8732 NA (no adhesive)

Technical Data Sheet - Preliminary

Introduction

3M™ Polyurethane Protective Tape 8732NA is a UV stable polyurethane elastomer film that resists punctures, tearing, and abrasion. 3M 8732NA Tape is specifically designed for use in composite/bonding processes, with cure temperatures up to 350°F (177°C). 3M™ PPT 8732NA can be co-cured into composite structures or can be adhesively bonded onto precured parts with appropriate structural adhesives to improve the erosion or impact resistance of the composite. 3M™ PPT 8732NA Tape was formulated for optimized bonding using 3M structural adhesive films - 3M™ Scotch-Weld™ Structural Adhesive Films AF163-2, and AF191. 3M™ PPT 8732NA Tape is available in 36320 gray.

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes. ASTM = American Society for Testing and Material. Metric values are listed in parenthesis.

A. Dimensions

Approximate Applied Thickness:	0.024 inch (0.61 mm)
Standard Roll Length:	36 yd (32.9 m)
Available Width:	24 inches (61 cm)
Approximate Weight:	0.146 lb/ft ² (713 g/m ²)

B. Typical Physical Properties and Performance Characteristics

Property	Test Method	Units	Typical Value
Tensile @ Break:	ASTM D882	lb/in (N/100 mm)	112 (1961)
Elongation % @ Break:	ASTM D882	%	460
Taber Abrasion Mass Loss:	ASTM C50, H18, 1 kg, 1000 cycles	g	0.02
Hardness	ASTM D2240	Shore A	84
Temperature Capability	3M 8732NA Tape can be used in applications with continuous temperatures up to 250°F (121°C) and in processes with short-term exposure to temperatures up to 350°F (177°C).		

Technical Data Sheet
3M™ Polyurethane Protective Tape 8732 NA

Shipping and Not regulated per U.S. DOT, IATA or IMO

Not regulated per U.S. DOT, IATA or IMO. Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to the shipping carton. Shelf Life: Two (2) years from the date of manufacture or as expressly certified by 3M.

Precautionary Information

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

For 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 office.



Technical Data Sheet
3M™ Polyurethane Protective Tape 8732 NA

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

Important Notice and Disclaimer: This 3M product is an experimental or developmental product that has not been introduced or commercialized for general sale, and its formulation, performance characteristics, and other properties, specifications (if any), availability, and pricing are not guaranteed and are subject to change or withdrawal without notice. User is solely responsible for evaluating third party intellectual property rights and for ensuring that user's use of this 3M product does not violate any third party intellectual property rights. **Technical Information:** The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information. **Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, user is solely responsible for evaluating this 3M product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. **Warranty Disclaimer:** This 3M product is sold or made available "AS IS." 3M MAKES NO WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. **Limitation of Liability:** Except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to this 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.



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

8732 NA
Issue date: 8/2019

3M and Scotch-Weld are trademarks of 3M Company
© 3M 2019. All rights reserved.