



Technical Data Sheet

3M™ Performance Plus Duct Tape Nuclear Grade 8979N

Product Description

3M™ Performance Plus Duct Tape 8979N has a unique product construction for indoor and outdoor applications. This tape is removable with little or no adhesive residue from most opaque surfaces up to six months after application. 3M™ Performance Plus Duct Tape 8979N is also resistant to delamination and deterioration when exposed to UV outdoors for up to one year.

Product Features

- Complies with MIL-STD-2041E(SH), Notice 1 for leachable halides, sulfur, and mercury. A certificate of analysis is included in each carton.
- Complies with ASME NQA-1 [supersedes ANSI N45.2.2 and NRC 1.38 Paragraph 2C Div A3.5 (1) (A)].
- Clean removal outdoors for up to 6 months, or indoors
- Easy to handle and apply. Moderate roll unwinding force, and tear by hand.
- Rubber adhesive bonds well to many surfaces with good initial stick.
- Moisture resistant and conformable backing.
- Strong backing with high tensile strength for demanding applications.
- Distinctive Red and Slate Blue colors available.








Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values	Additional Information
Backing	Polyethylene film over cloth scrim	
Adhesive Type	Rubber	
Color	Red, Slate Blue	
Total Tape Thickness (mil)	11.7 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.3 mm	View
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	63 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	5.3 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	48 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	36 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	19 %	View 
Test Method: ASTM D3759		
Long Term Temperature Resistance	93 °C	
Long Term Temperature Resistance	200 °F	
Minimum Application Temperature	4 °C	
Minimum Application Temperature	40 °F	
Flame Spread Index	5	View 
Test Method: ASTM E84		
Notes: UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.		
Smoke Developed Index	0	View 
Test Method: ASTM E84		
Notes: UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.		

Available Sizes

Property	Values	Additional Information
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Standard Roll Length 54.8 m

Standard Roll Length 60 yd

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% RH in the original carton.

To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

MIL-STD-2041E(SH), Notice 1ASME NQA-1 [supersedes ANSI N45.2.2 and NRC 1.38 Paragraph 2C Div A3.5 (1) (A)]

Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Ideal for demanding duct tape applications in the nuclear power plant, ship building and stainless steel fabrication industries.
- Applications in the construction, electrical, industrial, marine and military markets.
- Applications for sealing, holding, identification and protection.
- Maintenance Repair and Other (MRO) applications for patching, bundling, reinforcing, tabbing and temporary repair.
- Taping and splicing insulation, capping pipe and conduit ends, marking and labeling.
- Hanging polyethylene drapes, industrial masking and light sandblast overspray protection.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40065988/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8979N

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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