

June, 2010

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

- Tested in accordance with UL 723 / ASTM E84.
- Backing is curl resistant, moisture resistant and conformable making the tape easy to handle and apply.
- High tensile strength for the most demanding applications.
- Hand-tearable.
- Rubber adhesive bonds well to many surfaces with excellent initial stick.
- Unwinds easily from the roll to minimize user fatigue.
- Distinctive red and slate blue color available.
- Complies with MIL-STD-2041D(SH), Notice 2 for leachable halides and sulfur. 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)].

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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		Method
Color	Red, Slate Blue		
Total Tape Thickness	0.31 mm	12.1 mil	ASTM D3652
Backing	Polyethylene film over cloth scrim		
Adhesive	Rubber		

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	5.3 N/cm	48 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	63 N/cm	576 oz/in	ASTM D3759	
Elongation at Break	19 %		ASTM D3759	
Temperature Use Range	Up to 93 °C	Up to 200 °F		

Available Sizes

Property	Values	
Standard Roll Length	54.8 m	60 yd

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Handling/Application Information

Application Ideas

- 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.

Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

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

Industry Specifications

UL 723

MIL-STD-2041D(SH), Notice 2

ASME NQA-1 [supersedes ANSI N45.2.2 and NRC 1.38 Paragraph 2C Div A3.5 (1) (A)]

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Information

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Trademarks

3M is a trademark of 3M Company.

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References

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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