

August, 2019

# 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.

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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	0.3 mm	11.7 mil	ASTM D3652
Backing	Polyethylene film over cloth scrim		
Adhesive	Rubber		

## Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	5.3 N/cm	48 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	63 N/cm	36 lb/in	ASTM D3759			
Elongation at Break	19 %		ASTM D3759			
Temperature Use Range	Up to 93 °C	Up to 200 °F				

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## Typical Performance Characteristics (continued)

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
Minimum Application Temperature	4 °C	40 °F				
Flame Spread Index	5		ASTM E84			UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.
Smoke Developed Index	0		ASTM E84			UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

## Available Sizes

Property	Values	
Standard Roll Length	54.8 m	60 yd

## 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.

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## 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)]

## Trademarks

3M is a trademark of 3M Company.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~//3M-Performance-Plus-Duct-Tape-8979N?N=5002385+3293242024&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~//3M-Performance-Plus-Duct-Tape-8979N?N=5002385+3293242024&amp;rt=rud</a>
Safety Data Sheet (SDS)	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8979N">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8979N</a>

## 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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## Information

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