



# 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	<a href="#">View</a> 
Test Method: ASTM D3759		
180° Peel Adhesion	5.3 N/cm	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	48 oz/in	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	36 lb/in	<a href="#">View</a> 
Test Method: ASTM D3759		
Elongation at Break (%)	19 %	<a href="#">View</a> 
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	<a href="#">View</a> 
Test Method: ASTM E84		
Notes: UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.		
Smoke Developed Index	0	<a href="#">View</a> 
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	<a href="https://www.3m.com/3M/en_US/p/d/b40065988/">https://www.3m.com/3M/en_US/p/d/b40065988/</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>

## Family Group

Link Tags:

8979N

Products	Backing	Color	Total Tape Thickness (mm)	Long Term Temperature Resistance
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8979N	Polyethylene film over cloth scrim	Red, Slate Blue	0.3 mm	93 °C
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## ISO Statement

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

## Information

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