



Technical Data Sheet

3M™ Performance Plus Duct Tape Nuclear
Grade 8979N



[Product Details](#)



[Regulatory Info/SDS](#)

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

Attribute Name	Test Method	Value
Color		Red, Slate Blue
Adhesive Type		Rubber
Backing		Polyethylene film over cloth scrim
Total Tape Thickness	ASTM D3652	0.3 mm (11.7 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	5.3 N/cm (48 oz/in) ¹
Elongation at Break	ASTM D3759		19 %
Tensile Strength	ASTM D3759		63 N/cm (36 lb/in)
Minimum Application Temperature			4 °C (40 °F)
Long Term Temperature Resistance			93 °C (200 °F) ²
Flame Spread Index	ASTM E84		5 ³
Smoke Developed Index	ASTM E84		0 ³

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

³ UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

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.

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)]

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.

Available Sizes

Attribute Name	Value
Standard Roll Length	54.8 m (60 yd)

Information

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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.

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