



# Performance Plus Duct Tape Nuclear Grade 8979N

Technical Data

June, 2010

**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 Construction	Backing	Adhesive	Colors	Standard Roll Length
	Polyethylene film over cloth scrim	Rubber	Red, Slate Blue	54.8 m (60 yds.)

## Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel:	48 oz./in. width (53 N/100 mm)	D-3330
Tensile Strength:	36 lbs./in. width (630 N/100 mm)	D-3759
Elongation at Break:	19%	D-3759
Tape Thickness:	12.1 mils (0.31 mm)	D-3652
Temperature Use Range:	Up to 200°F (93°C)	

## 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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8979N

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## 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

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

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## Shelf Life

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

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## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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**ISO 9001:2000**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

# 3M

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