



Performance Plus Duct Tape

8979

Technical Data

September, 2005

Product Description

3M™ Performance Plus Duct Tape 8979 has a unique tape construction that allows for both permanent and temporary applications whether indoors or outdoors. It is removable with little or no adhesive residue from most opaque surfaces up to 6 months after application. 3M duct tape 8979 is also UV resistant for one year. It will not delaminate or deteriorate in sunlight. The tape is conformable, abrasion resistant, and water resistant. The polyethylene film and cloth scrim construction provides straight, easy tear with high tensile strength for the most demanding applications.

Product Construction

| Backing | Adhesive | Colors | Standard Roll Length | Standard Roll Widths |
|------------------------------------|----------------------------|------------|----------------------|--|
| Polyethylene film over cloth scrim | Natural & Synthetic Rubber | Slate Blue | 54.8 m (60 yds.) | 24, 48, 72, 96 & 144 mm, 12 & 22 in. (0.94, 1.89, 2.83, 3.78 & 5.67 in., 304.8 & 558.8 mm) |
| | | Slate Blue | 22.9 m (25 yds.) | 48 mm (1.89 in.) |
| | | Olive | 54.8 m (60 yds.) | 48 mm (1.89 in.) |
| | | Black | 54.8 m (60 yds.) | 48 mm (1.89 in.) |

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: | 52 oz./in. width (57 N/100 mm) | D-3330 |
| Tensile Strength: | 36 lbs./in. width (643 N/100 mm) | D-3759 |
| Elongation at Break: | 21% | D-3759 |
| Thickness: | 12.6 mils (0.33 mm) | D-3652 |
| Clean Removal - outdoors: | 6 months | G7 (AZ, stainless steel) |
| Clean Removal - indoors: | 6 months | tested on various opaque surfaces over temp range of 40° to 120°F (4° to 49°C) |
| Flame Spread Index: | 5 | E-84 |
| Smoke Developed Index: | 0 | E-84 |
| Temperature Use Range: | Up to 200°F (93°C) | |

Features

- Meets UL 723, HUD, and BOCA codes.
- Backing is curl resistant and conformable making it easy to handle and apply.
- The rubber adhesive bonds well to most surfaces and has excellent initial stick. Once in place, it stays where you put it. One tape may be used for many applications with little waste.
- Unwinds from the roll easily making it convenient to use and preventing user fatigue. 25 yd. rolls can also be used with the 3M™ Hand Masker™ Dispenser M3000 and other dispensers to increase efficiency in hanging paper and plastic sheeting, or dispensing the tape itself.
- The slate blue color blends with grays, but is distinct to insure the correct tape is used for outdoor and removable applications.

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Features (continued)

- 48 mm rolls have a special edge treatment so the sides are not tacky and pick up less dirt. They are individually wrapped to preserve the tape integrity resulting in less waste.
- Also available in nuclear grade as 3M™ Performance Plus Duct Tape Nuclear Grade 8979N (separate data page is available with pertinent information).

Application Ideas

- Ideal for demanding duct tape applications in the construction, electrical HVAC, industrial, marine, and plumbing markets.
- Patching, reinforcing, bundling, moisture proofing, sealing, splicing, temporary repair.
- Taping and splicing insulation, capping pipe and conduit, marking and labeling.
- Hanging polyethylene drapes, abatement activities, industrial masking and sandblast overspray protection.
- Maintenance, holding, packaging, wrapping.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the 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.

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