

Scotch® Filament Tape 880



Technical Data

June, 2014

Product Description

Scotch® Filament Tape 880 is a high performance tape reinforced with continuous, polyester yarn filaments that give the tape high tensile strength, high impact resistance and high cut resistance. The polypropylene film backing provides excellent abrasion and moisture resistance. The aggressive packaging grade adhesive is specifically formulated to provide an excellent balance of high initial adhesion and long term holding power to fiberboard, “non-oily” metals, printed and painted surfaces.

Product Construction

| Backing | Adhesive | Reinforcement | Backing Color |
|--------------------|-------------------------------------------|----------------|----------------------------|
| Polypropylene film | Pressure sensitive synthetic rubber resin | Polyester yarn | Clear, Black, Blue, or Red |

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: | 80 oz./in. width (88 N/100 mm width) | D-3330 |
| Tensile Strength: | 270 lbs./in. width (4725 N/100 mm width) | D-3759 |
| Elongation at Break: | 19% | D-3759 |
| Total Thickness: | 7.7 mil (0.196 mm) | D-3652 |

Features

- Good handling.
- Printable (clear only).
- Cut and impact resistant.
- High shear adhesion.
- Excellent aging.
- Tough film backing protects the filaments and adhesive to provide longer functional tape performance.
- Good handling characteristics saves time through ease of dispensing and tape application.
- When printed, the tape provides advertising, warning, and labeling capability.
- The polyester filaments resist cutting when tabbing the end lap of metal coils.
- The polyester filaments absorb the shock of rough, high impact handling to keep package secure during shipping.
- High tensile strength allows the use of less tape in many applications and lowers the cost per application.
- Translucency of the clear version allows good clarity of artwork and important messages, even when covered by the tape.
- Adhesive provides good holding under wide range of application conditions with minimum amount of tape.
- Holds instantly with minimum rubdown.
- Boxes remain securely closed through normal warehouse time cycles.

Scotch® Filament Tape

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Available Sizes

Standard Widths: 0.35 in. (9 mm), 0.47 in. (12 mm), 0.59 in. (15 mm), 0.71 in. (18 mm), 0.94 in. (24 mm), 1.2 in. (30 mm), 1.4 in. (36 mm) and 1.9 in. (48 mm)

Core Size (ID): 3 in. (76.2 mm)

Lengths: 60 yds. (55 m)

Storage Conditions

Store behind present stock. Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40-50% relative humidity are recommended. Rotate your stock.

Shelf Life

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

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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ISO 9001

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