

Scotch® Filament Tape 880



Technical Data

May, 2003

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 3M™ Scotchpro™ 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.

Construction

Backing	Adhesive	Reinforcement	Backing Color
3M™ Scotchpro™ film	Pressure sensitive rubber resin	Polyester yarn	Clear

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 (0.20 mm)	D-3652

*Based on limited production. As sufficient production data is gathered, a revised data sheet will be issued.

Features

- Good handling.
- Printable.
- 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 tape 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

880

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.

For Additional Information To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/packaging. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Important Notice 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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 application.

Limitation of Remedies and Liability If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.



This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



**Industrial Business
Industrial Adhesives and Tapes Division**
3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000



*Recycled Paper
40% pre-consumer
10% post-consumer*

Printed in U.S.A.
©3M 2003 70-0710-0293-8 (5/03)