

Scotch® Filament Tape 880MSR



Temporary Technical Data Sheet

June, 2014

Product Description

Scotch® Filament Tape 880MSR is a high-performance transparent filament tape reinforced along its length with continuous polyester-yarn filaments, which gives the tape a very high tensile strength. The clear polyester backing provides excellent abrasion, moisture and scuff resistance. The adhesive is a modified synthetic rubber resin adhesive specifically formulated to provide very good oily metal adhesion performance. The adhesive also provides a balanced performance having high adhesion and long term holding power for a variety of metal working applications.

Construction

Backing	Adhesive	Reinforcement	Backing Color
Polyester film	Pressure sensitive modified synthetic 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:	95 oz./in. width (100 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

- Meets ASTM D5330, Type I, which has replaced PPP-T-97E and CID A-A-1685A.
- Good oily metal adhesion.
- Printable.
- Cut and impact resistant.
- High shear adhesion.
- Excellent aging.
- Tough polyester 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 (including many high temperature applications and slightly oiled surfaces) with minimum amount of tape.
- Holds instantly with minimum rubdown.
- Boxes remain securely closed through normal warehouse time cycles.

Scotch® Filament Tape

880MSR

Available Sizes	Standard Widths:	0.47 in. (12 mm), 0.71 in. (18 mm), 0.94 in. (24 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.

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ISO 9001:2008

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