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3M™ Scotch® Filament Tape 880

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 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

Technical Information Note

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

Typical Physical Properties

Property	Values		Method
Backing Color	Transparent		
Total Tape Thickness	0.196 mm	7.7 mil	ASTM D3652
Backing	Polypropylene film		
Adhesive	Pressure sensitive synthetic rubber resin		
Reinforcement	Polyester yarn		

Typical Performance Characteristics

Peel Adhesion		
8.8 N/cm	88 N/100mm	80 oz/in

Property: Peel Adhesion
Method: ASTM D3330
Substrate: Stainless Steel

Tensile Strength		
472.5 N/cm	4725 N/100mm	270 lb/in

Property: Tensile Strength
Method: ASTM D3759

Elongation at Break: 19 %

Methods
ASTM D3759

Storage and Shelf Life

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

Trademarks

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	http://www.3m.com/3M/en_US/company-us/all-3m-products/~~/Scotch-Filament-Tape-880?N=5002385+3293194092&rt=rud

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References (continued)

Property	Values
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=880

ISO Statement

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

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