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3M™ Scotch® Filament Tape 890RCT

Product Description

Scotch® Filament Tape 890RCT is a high-performance transparent filament tape reinforced along its length with continuous fiberglass-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 very aggressive packaging adhesive specifically formulated to meet the high demands of sealing corrugated cartons, including those with high recycled content as used in today's packaging materials.

Product Features

- High tensile strength.
- High shear strength.
- Good initial adhesion to enhance bond strength to recycled board.
- Excellent aging before and after application.
- Excellent long-term holding power.
- Good protection of filaments and adhesive to provide longer package life.
- Assures maximum package performance for limited outdoor use.
- Saves time through ease of dispensing and handling versus glue and strapping.
- Advertising, and warnings are printable by the print seal process.
- Good holding under a wide range of application conditions with minimum amount of tape.
- 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	Clear		
Total Tape Thickness	0.203 mm	8 mil	ASTM D3652
Backing	Polyester film		
Adhesive	Pressure sensitive synthetic rubber-resin		
Reinforcement	Glass 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		
1190.9 N/cm	11909 N/100mm	680 lb/in

Property: Tensile Strength
Method: ASTM D3759

Elongation at Break: 5 %

Methods
ASTM D3759

Handling/Application Information

Application Techniques

An extensive line of application equipment including hand-held dispensers and an automatic L-Clip applicator is available. Application is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Filament Tape 890RCT performs well through- out the normal temperature ranges encountered by packaged products in shipping and storage environments

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	https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Scotch-High-Strength-Filament-Tape-890RCT?N=5002385+3292129724&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=890RCT

ISO Statement

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

Information

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