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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.



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## 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(PET)		
Adhesive Type	Pressure sensitive synthetic rubber-resin		
Fiber Reinforcement	Glass Yarn		

## Typical Performance Characteristics

180° Peel Adhesion		Notes	Substrate
8.8 N/cm	80 oz/in	12 in/min (300 mm/min)	
88 N/100mm			Stainless Steel

Property: 180° Peel Adhesion  
Method: ASTM D3330

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.

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## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Scotch-High-Strength-Filament-Tape-890RCT/?N=5002385+3292129724&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/-/Scotch-High-Strength-Filament-Tape-890RCT/?N=5002385+3292129724&amp;rt=rud</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=890RCT">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=890RCT</a>

## 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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