



Technical Data Sheet

3M™ Scotch® Filament Tape 890RCT



[Product Details](#)

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

Attribute Name	Test Method	Value
Adhesive Type		Pressure sensitive synthetic rubber-resin
Backing		Polyester(PET)
Backing Color		Clear
Fiber Reinforcement		Glass Yarn
Total Tape Thickness	ASTM D3652	0.203 mm (8 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Substrate	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)	Stainless Steel	88 N/100mm (80 oz/in) ¹
Elongation at Break	ASTM D3759				5 %
Tensile Strength	ASTM D3759				1190.9 N/cm (11909 N/100mm) (680 lb/in)

¹ 304 mm/min (12 in/min)

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 under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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