



# 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	22 °C (72 °F)	Stainless Steel	88 N/100mm (80 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759				5 %
Tensile Strength	ASTM D3759				1190.9 N/cm (11909 N/100mm) (680 lb/in)

<sup>1</sup> 12 in/min (300 mm/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.

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## **ISO Statement**

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

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