



# Scotch<sup>®</sup> Filament Tape 890MSR

## Product Data Sheet

June 2013

Supersedes: December 2012

### Product Description

Scotch Filament Tape 890MSR is a high-performance transparent filament tape reinforced along its length with continuous fibreglass-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 modified synthetic rubber resin adhesive specifically formulated to provide very good oily metal adhesion performance. The adhesive also provides a balanced performance having high adhesion and long term holding power for a variety of metal working applications.

### Key Features

- Abrasion and moisture resistant.
- Good oily metal adhesion.
- Very high tensile strength.
- High shear strength.
- Good initial adhesion.
- Good aging before and after application
- 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.
- Provides advertising and warning capability when printed.
- Low unit cost on applications where high tensile strength is main requirement by using less tape.
- Good holding under a wide range of application conditions with minimum amount of tape.
- Boxes remain securely closed through normal warehouse time cycles.

### Physical Properties

<b>Adhesive Type</b>	Rubber Resin (synthetic)
<b>Backing</b>	Polyester
<b>Reinforcement</b>	Glass yarn
<b>Colour</b>	clear

### Performance Characteristics

	890MSR
<b>Adhesion to Steel (Afera 5001)</b>	8.1 N/cm
<b>Tensile Strength (Afera 5004)</b>	1380 N/cm
<b>Elongation (Afera 5004)</b>	8%
<b>Total Thickness (Afera 5006)</b>	0.20 mm

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<b>Storage</b>	Store behind present stock. Store in a clean, dry place. Temperature of 4-26°C and 40-50% relative humidity are recommended. Rotate your stock.
<b>Shelf Life</b>	To obtain best performance, use this product within 18 months from date of manufacture.
<b>For Additional Information</b>	To request additional product information see address below.
<b>Important Notice</b>	<p>All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.</p> <p>All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law</p>

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