



Scotch[®] 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

Adhesive Type	Rubber Resin (synthetic)
Backing	Polyester
Reinforcement	Glass yarn
Colour	clear

Performance Characteristics

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

Storage	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.
Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
For Additional Information	To request additional product information see address below.
Important Notice	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. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications.
This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations

3M is a trademark of the 3M Company.

3M Bulgaria

Mladost 4
Business Park, bl.4, 2nd floor
Sofia 1766
Bulgaria

3M Česko, spol. s r. o.

V Parku 2343/24
148 00 - Praha 4
Czech Republic

3M East AG

Branch Office Serbia
Airport City
Omladinskih brigada 90B
11070 Belgrade
Serbia

3M (East) AG

Branch Office Croatia
Avenija Većeslava Holjevca 40
10010 Zagreb
Croatia

3M (East) AG

Branch Office Slovenia
Cesta v Gorice 8
1000 Ljubljana
Slovenia

**3M (East) AG Representation
Office Tirane**

Rruga Sami Frasheri
Pallati i Ri Perxhola Kati 2 Ap2
1000 Albania

3M Hellas MEPE

20 Kifissias Ave.
151 25 Maroussi
Athens
Greece

3M Hungária Kft

Neumann János u. 1/E.
1117 Budapest
Hungary

3M Israel

91 Medinat Hayehudim St.
Herzliya
Israel

3M Poland Sp. z o.o.

Aleja Katowicka 117 Kajetany
05-830 Nadarzyn
Poland

3M Romania

Bucharest Business Park
12 Menuetului St.
Building D, District 1
013713 Bucharest
Romania

3M Sanayi ve Ticaret A.Ş.

Barbaros Mah., Mor Sümbül Sok.
No:7/3F, 27-51, Nidakule Ataşehir
Güney
34746 Atasehir, Istanbul
Turkey

3M Slovensko s.r.o.

Polus Tower 2
Vajnorská 142
Bratislava 83104
Slovakia