



Scotch[®] Filament Tape 880MSR

Product Data Sheet

June 2013

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Product Description

Scotch Filament Tape 880MSR is a high-performance transparent filament tape reinforced along its length with continuous polyester-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

- Good oily metal adhesion
- Cut and impact resistant.
- High shear adhesion.
- Good aging.
- Tough polyester film backing protects the filaments and adhesive to provide longer functional tape performance.
- Good handling characteristics saves time through ease of dispensing and tape application.
- When printed, the tape provides advertising, warning, and labelling capability.
- The polyester filaments resist cutting when tabbing the end lap of metal coils.
- The polyester filaments absorb the shock of rough, high impact handling to keep package secure during shipping.
- High tensile strength allows the use of less tape in many applications and lowers the cost per application.
- Translucency of the tape allows good clarity of artwork and important messages, even when covered by the tape.
- Adhesive provides good holding under wide range of application conditions (including many high temperature applications and slightly oiled surfaces) with minimum amount of tape.
- Holds instantly with minimum rubdown.
- Boxes remain securely closed through normal warehouse time cycles.

Physical Properties

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

Performance Characteristics

	880MSR
Adhesion to Steel (Afera 5001)	8.3 N/cm
Tensile Strength (Afera 5004)	530 N/cm
Elongation (Afera 5004)	22%
Total Thickness (Afera 5006)	0.17 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.

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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

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