Scotch® Filament Tape 880MSR



Temporary Technical Data Sheet

June, 2014

ASTM Test Method

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.

| Construction | Backing | Adhesive | Reinforcement | Backing Color |
|--------------|----------------|--|----------------|----------------------|
| | Polyester film | Pressure sensitive modified synthetic rubber resin | Polyester yarn | Clear |

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

| Adhesion to Steel: | 95 oz./in. width (100 N/100 mm width) | D-3330 |
|----------------------|--|--------|
| Tensile Strength: | 270 lbs./in. width (4725 N/100 mm width) | D-3759 |
| Elongation at Break: | 19% | D-3759 |
| Total Thickness: | 7.7 mil (0.196 mm) | D-3652 |

Features

- Meets ASTM D5330, Type I, which has replaced PPP-T-97E and CID A-A-1685A.
- · Good oily metal adhesion.
- · Printable.
- Cut and impact resistant.
- · High shear adhesion.
- · Excellent aging.
- Tough polyster 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 labeling capability.

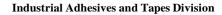
- The polyester filaments resist cutting when tabbing the end lap of metal coils.
- The polyester filaments absorb the shock of rough, high impact handling to keep package secure during shipping.
- High tensile strength allows the use of less tape in many applications and lowers the cost per application.
- 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.

Scotch® Filament Tape

880MSR

| Available Sizes | Standard Widths: | 0.47 in. (12 mm), 0.71 in. (18 mm), 0.94 in. (24 mm), 1.4 in. (36 mm) and 1.9 in. (48 mm) | |
|--|---|---|--|
| | Core Size (ID): | 3 in. (76.2 mm) | |
| | Lengths: 60 yds. (55 m) | | |
| Storage Conditions | Store behind present stock. Store in a clean, dry place. Temperature of 40-80°F (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. | | |
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