



TapeCase Ltd.
1982 Lunt Ave, Elk Grove Village, IL 60007
phone: (847) 299-7880
fax: (847) 299-7804
www.tapecase.com
sales@tapecase.com

3M

Squeak Reduction Tape

5430

Product Description 3M™ Squeak Reduction Tapes are a film tape for the automotive industry to help control squeaks and rattles due to vibration or wear of metal and plastic materials.

Product Construction

| Backing | Adhesive | Liner |
|--|----------|---------------------------|
| UHMW-PE Film (ultra-high molecular weight polyethylene) | Acrylic | 55# densified kraft paper |

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.

ASTM Test Method

| 3M tape 5430 | | |
|--|----------------------------------|--------|
| Adhesion to Steel: | 75 oz./in. width (82 N/100 mm) | D-3330 |
| Tensile Strength: | 40 lbs./in. width (696 N/100 mm) | D-3759 |
| Elongation at Break: | 175% | D-3759 |
| Backing Thickness: | 5.0 mils (0.13 mm) | D-3652 |
| Total Tape Thickness: (without liner) | 7.0 mils (0.18 mm) | D-3652 |
| Liner Thickness: | 3.2 mils (0.08 mm) | D-3652 |
| Temperature Use Range: | -30° to 225°F (-34° to 107°C) | |
| Water Absorption: | 0.01% | |
| Immersion: | 24 hours at 75°F (24°C) | |

Features

- Excellent adhesion to many painted metal and plastic surfaces.
- UHMW polyethylene is a thermoplastic that has a unique combination of properties which make it ideal for many tough impact wear or sliding applications.
- UHMW-PE tape will outwear most PTFE tapes in sliding applications.
- Low coefficient of friction characteristics is exceeded only by PTFE.
- UHMW-PE tape can be used where lubrication is not possible because of contamination.
- Maximum roll width 24 in. (610 mm).



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Application Ideas

- Automotive instrument panel and interior noise reduction.
- Noise reduction between rim fascia and painted metal.
- Noise reduction on doors.
- Industrial sliding or wear applications requiring very high adhesion.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.