



# Aluminum Foil Tape

## 3380

### Technical Data

March, 2011

#### Product Description

3M™ Aluminum Foil Tape 3380 is a general purpose aluminum foil tape offering an annealed aluminum foil backing combined with an acrylic pressure sensitive adhesive having an easy release PE coated Kraft liner.

#### Product Construction

| Backing       | Adhesive | Color  | Liner                 |
|---------------|----------|--------|-----------------------|
| Aluminum Foil | Acrylic  | Silver | PE coated Kraft liner |

#### 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 |
|-----------------------|----------------------------------------|------------------|
| Adhesion to Steel:    | 40 oz./in. width (43 N/100 mm width)   | D-3330           |
| Tensile Strength:     | 10 lbs./in. width (175 N/100 mm width) | D-3759           |
| Elongation at Break:  | 4%                                     | D-3759           |
| Backing Thickness:    | 2.0 mils (0.05 mm)                     | D-3652           |
| Liner Thickness:      | 3.1 mils (0.08 mm)                     | D-3652           |
| Total Tape Thickness: | 3.25 mils (0.08 mm)                    | D-3652           |

#### Features

- General purpose foil tape.
- Temperature use range from -30°F to +260°F (-34°C to +127°C).
- The low water vapor transmission rate makes these tapes a good sealant.
- Low flammability - 3M™ Aluminum Foil Tape 3380 is UL 723 (File R7311) approved.
- 3M™ Aluminum Foil Tape 3380 is US Coast Guard approved (CGA #164.112/63/0).
- Best adhesion results attained when applied to clean dry surfaces above 32°F (0°C).

#### Application Ideas

- General use aluminum foil tape
- Light reflecting
- Heat shielding
- Moisture barrier
- Thermal conducting

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|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                                  | Store under normal conditions of 60° to 80°F (16° to 27°C) and 40% humidity in the original packaging material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Shelf Life</b>                               | To obtain best performance, use this product within 24 months from manufacture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008.



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