

3M 434 Vibration Damping Tape

Category : Polymer , Tape

Material Notes:

3M™ Vibration Damping Tapes are low temperature 3M™ Viscoelastic Damping Polymers Tape 830 coated on the dead soft aluminum foil constraining layer. They have pressure sensitive properties and are furnished in roll form and designed for direct, pressure sensitive application to metal and composite panels for vibration damping purposes. The combination of the low temperature 3M viscoelastic polymers type 830 and an aluminum constraining layer has proven to be a unique construction with exceptional ability to damp resonant vibrations in the temperature range of -60° to 20°C. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-434-Vibration-Damping-Tape.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|----------|------------|
| Thickness | 140 microns | 5.50 mil | Aluminum |
| | 191 microns | 7.50 mil | ASTM D3652 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------------|------------|-------------------------------|
| Tensile Strength at Break | 72.4 MPa | 10500 psi | ASTM D3574 |
| Elongation at Break | 12 % | 12 % | ASTM D3759 |
| Peel Strength | 0.71216 kN/m | 4.0625 pli | Adhesion to Steel; ASTM D3330 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 20.0 °C | 68.0 °F | |
| Minimum Service Temperature, Air | -60.0 °C | -76.0 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|----------|
| Appearance | Blue | |
| Liner | Polyethylene | |

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