

3M 2552 Damping Foil

Category : Polymer , Tape

Material Notes:

3M™ Damping Foil 2552 consists of a room temperature pressure sensitive viscoelastic polymer on a dead soft aluminum foil and is designed for application to vibrating panels and support members. The combination of viscoelastic polymer and an aluminum foil backing (a constrained layer damper, CLD) has proved to be a unique construction with exceptional ability to control resonant vibrations in the temperature range of 0°C to 60°C, with survivability from -32°C to 80°C. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-2552-Damping-Foil.php

Physical Properties	Metric	English	Comments
Thickness	127 microns	5.00 mil	Acrylic Viscoelastic Polymer
	254 microns	10.0 mil	Aluminum Backing
	381 microns	15.0 mil	Total

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.1 MPa	8430 psi	ASTM D3759
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	60.0 °C	140 °F	Peak damping
	80.0 °C	176 °F	
Minimum Service Temperature, Air	-32.0 °C	-25.6 °F	
	0.000 °C	32.0 °F	Peak damping

Descriptive Properties	Value	Comments
Liner	58# poly-coated	

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