

# PRODUCT DATA SHEET



## Legetolex 1432FR PRESSURE-SENSITIVE CONSTRAINED-LAYER DAMPER

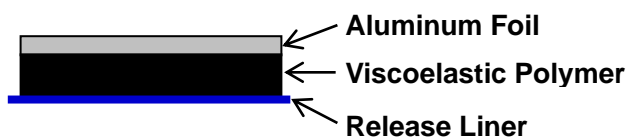
### GENERAL DESCRIPTION

A market leader in performance, this product is a UL-rated lightweight pressure-sensitive, constrained-layer damper that is versatile for many applications, especially where fire resistance is required.

### FEATURES

- Meets UL94 V-0 rating
- Superior adhesive properties to many substrates
- Aluminum foil constraining layer
- Effective vibration damping over a wide temperature range
- Available in various thicknesses and can have different gauge foil face sheets
- Provided in rectangular sheets or can be die-cut to specific geometry

### PRODUCT CONSTRUCTION



### APPLICATION

- Horizontal, vertical & inverted applications for automotive, electronics, aerospace and appliances
- Temperature resistant and maintains adhesion through automotive bake cycles up to 200°C
- Applied in Stamping, Fab & Body Assembly operations:
  - Good adhesion to oily metal
  - Compatible with phosphating, E-coat & paint bake cycles
- Applied in Trim operations

### PROPERTIES

<b>COLOR</b>	Facing: Aluminum, Polymer: Black	
<b>SPECIFIC GRAVITY</b>	1.45	
<b>HARDNESS (ASTM D-5)</b>	6.5 – 9.0 mm	
<b>SHELF LIFE</b>	12 months when stored within proper storage conditions (15C - 35C & 25% - 50% RH)	
<b>TEMPERATURE RESISTANCE</b>	Withstands a bake of 1 hour at 200°C with no deformation	
<b>PEEL STRENGTH</b> (90° Peel, 300 mm/min)	After 1 hour dwell	15 – 20 N/25mm
	After 24 hour dwell	19 – 24 N/25mm
<b>COLD FLEXIBILITY</b>	Can be bent around a 25 mm mandrel at -30°C with no cracking or loss of adhesion	
<b>FLAMMABILITY</b>	V-0 (ASTM D3801) Meets FMVSS 302, self-extinguishing	
<b>DAMPING PROPERTIES</b> (Per SAEJ1637, 0.8 mm test beam)	Composite Loss Factor ( $\eta_c$ ) between 0 and 60°C @ 200 Hz: 0.09 – 0.30	

Disclaimer: The technical information on this product data sheet is based on measured value obtained from laboratory tests. Actual results may vary due to differences in lab/process evaluation conditions.