

## Legetolex D-300N PRESSURE-SENSITIVE CONSTRAINED-LAYER DAMPER

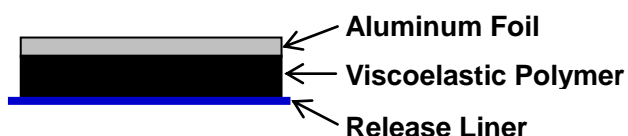
### GENERAL DESCRIPTION

A market leader in performance, this product is a lightweight pressure-sensitive, constrained-layer damper that is versatile for many applications.

### FEATURES

- 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
- 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>	1.40	
<b>SHELF LIFE</b>	At least 6 months when stored at 40°C or less	
<b>TEMPERATURE RESISTANCE</b>	Withstands a bake of 1 hour at 200°C with no deformation	
<b>PEEL STRENGTH</b> (90° Peel on Stainless Steel)	@ 0°C	81 N/25mm
	@ 20°C	94 N/25mm
	@ 40°C	39 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>	Meets FMVSS 302, self-extinguishing	
<b>DAMPING PROPERTIES</b> (Per SAEJ1637, 0.8 mm test beam)	Composite Loss Factor ( $\eta_c$ ) between -20 and 50°C @ 200 Hz: 0.06 – 0.37 (@ 1.5 mm thickness)	