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

| COLOR          | Facing: Aluminum  
Polymer: Black |
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<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.40</td>
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<td>SHELF LIFE</td>
<td>At least 6 months when stored at 40°C or less</td>
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<td>TEMPERATURE RESISTANCE</td>
<td>Withstands a bake of 1 hour at 200°C with no deformation</td>
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| PEEL STRENGTH (90° Peel on Stainless Steel) | @ 0°C: 81 N/25mm  
@ 20°C: 94 N/25mm  
@ 40°C: 39 N/25mm |
| COLD FLEXIBILITY | Can be bent around a 25 mm mandrel at -30°C with no cracking or loss of adhesion |
| FLAMMABILITY  | Meets FMVSS 302, self-extinguishing |
| DAMPING PROPERTIES (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) |