Legetolex 1432G PRESSURE-SENSITIVE CONSTRAINED-LAYER DAMPER

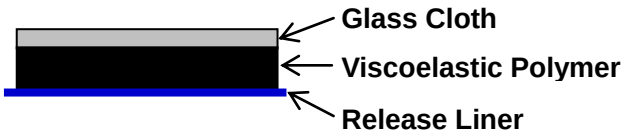
GENERAL DESCRIPTION

A market leader in performance, this product is a lightweight pressure-sensitive, constrained-layer damper that is versatile for many applications. Top laminate is glass cloth instead of the typical aluminum foil.

FEATURES

- Superior adhesive properties to many substates
- Glass cloth constraining layer
- Effective vibration damping over a wide temperature range
- Available in various thicknesses for increased damping performance
- 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: Light Grey Glass Cloth Polymer: Black	
SPECIFIC GRAVITY	Viscoelastic Polymer: 1.45	
HARDNESS (ASTM D-5)	6.5 – 9.0 mm	
SHELF LIFE	At least 6 months when stored at 40°C or less	
TEMPERATURE RESISTANCE	Withstands a bake of 1 hour at 200°C with no deformation	
PEEL STRENGTH (90° Peel, 300 mm/min)	Oily Cold Rolled Steel	38 N/25mm
	Oily Galvanized Steel	36 N/25mm
	E-Coat (ED-11)	60 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 (η_c) between 0 and 60°C @ 200 Hz: 0.07 – 0.21	

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