

PRODUCT DATA SHEET



Legetolex 1432F PRESSURE-SENSITIVE CONSTRAINED-LAYER DAMPER

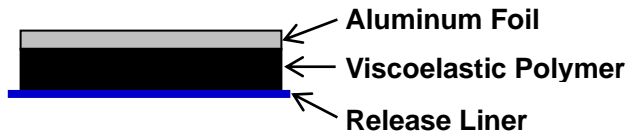
GENERAL DESCRIPTION

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. Other top laminates available.
- 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	
SPECIFIC GRAVITY	1.50 ± 0.15	
HARDNESS (ASTM D-5)	6.5 – 9.0 mm	
SHELF LIFE	12 months when stored within proper storage conditions (15C - 35C & 25% - 50% RH)	
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/25cm
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: 0.1 – 0.32	

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.