

70L Ultra-soft Black EMI Gaskets Fabric-over-Foam



Ni/CU polyester taffeta fabric-over-foam

Laird's Fabric-over-Foam (FoF) 70L EMI gaskets provide wide compression ranges with low compression force, excellent EMI shielding performance and offering excellent assembly tolerance absorbing for customers where EMI issues occur. The 70L Series EMI gaskets are composed of electrically conductive fabric wrapped around a soft urethane foam core. They are supplied with a conductive pressure sensitive adhesive (PSA).

The 70L series is a halogen-free product with cross-section profiles of rectangle.

FEATURES



- Wide compression ranges up to 70%
- Extremely low compression forces allow for use of lighter materials
- Low working height gasket
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of $< 0.05 \Omega/\square$ provides excellent conductivity
- Laird's proprietary coating prevents fabric fray
- Profile gaskets can be cut to specified lengths, kiss-cut on release liner, or mitered to form frame configurations
- Color = Black

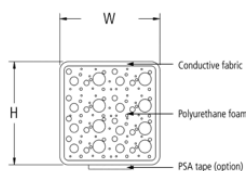
TARGET APPLICATIONS

- Handset/Tablet
- Laptop computers
- Light weight consumer devices
- Thin gauge metal applications
- Devices that require black color
- Displays
- Narrow gaps

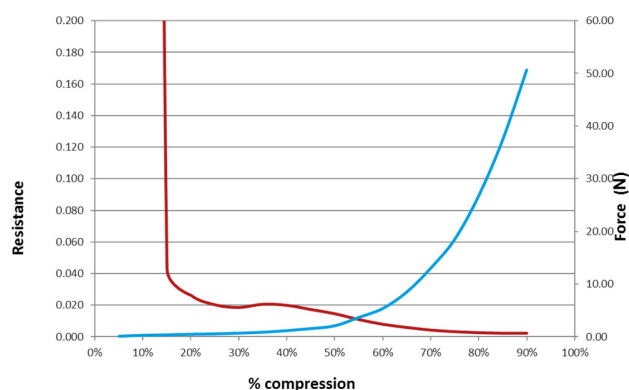
APPLICATIONS

- Cabinet applications
- Medical equipment
- Servers
- Printers
- Networking equipment
- Desktop computers
- Telecommunications cabinets
- Automotive

FORCE/DISPLACEMENT/RESISTANCE (FDR)

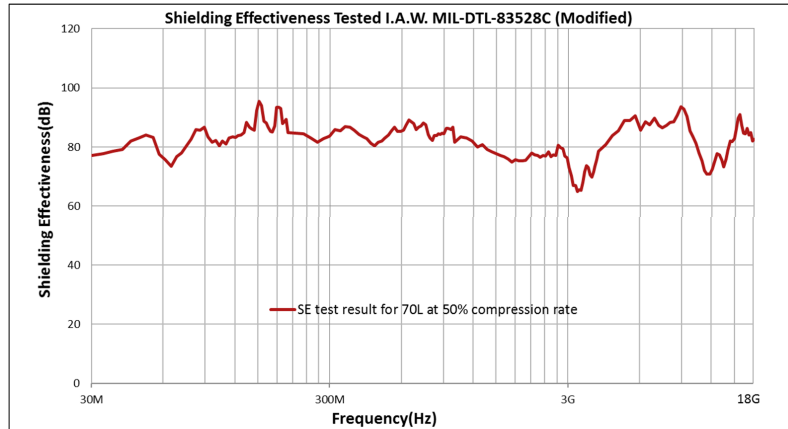


5mm W x 1mm H x 24.5mm L



70L Ultra-soft EMI Gaskets Fabric-over-Foam

SHIELDING EFFECTIVENESS (dB)



Part Test 5mm H x 1mm W x Rectangle

CHARACTERISTIC

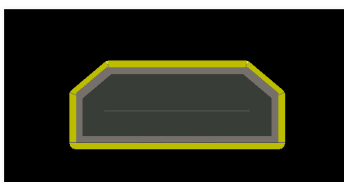
ITEM	UNIT	VALUE	TEST METHOD
Shielding Effectiveness			
	at 100 MHz	80	MIL STD 83528C
	at 1 GHz	85	
Surface Resistivity	Ω/\square	<0.05	ASTM F390
Compression Set	%	<30	ASTM D3574
Operation Temperature	$^{\circ}\text{C}$	-40~70	
Hazardous Substance			
	Compliant with RoHS(Directive 2011/65/EU)		
	Compliant with SONY ss-00259		
	Halogen-free (based on IEC-61249-2-21)		
	Antimony-free		
Shelf Life	12 months at 23 $^{\circ}\text{C}$ /60% R.H.		

Application notes:

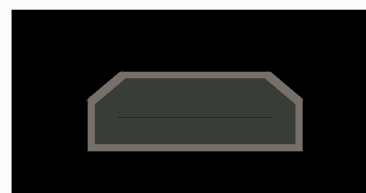
- 1) Common shapes: Square or Rectangular
- 2) This gasket provides excellent shielding and grounding in compression applications.
- 3) This type of product is commonly used when low compression force & low resistance properties are required.
- 4) The black color of this gasket can be used for aesthetic or light emissivity requirements.

Application examples:

- 1) A black panel with I/O holes. The edge of the gasket around the connectors after installation. With the use of the 70L Black gasket the edges of the gasket are no longer visible.



Standard Color
Gasket



Black Color
Gasket