

HIGH TEMPERATURE FABRIC-OVER-FOAM GASKETS



Laird Performance Materials' Fabric-over-Foam 519 EMI gaskets are a new development for lower compression force, lower resistance, and higher shielding performance. They are composed of metallized fabric wrapped around a soft urethane foam core, and supplied with either a non-conductive or electrically conductive pressure sensitive adhesive (PSA). The 519 gaskets are halogen-free product that can be created with square or rectangular cross-sectional profiles, and can be further customized to an application by die-cutting, hole punching, notching, etc.

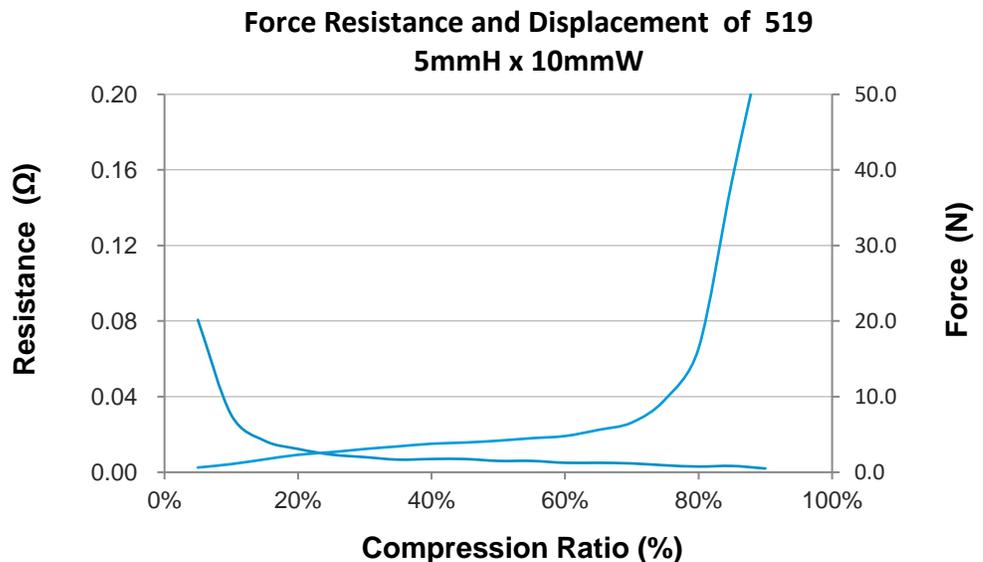
FEATURES

- Low compression force
- Natural(grey) or black color for selection
- UL 94V0
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of <math><0.05\text{ ohm/sq}</math> provides excellent conductivity

APPLICATIONS

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

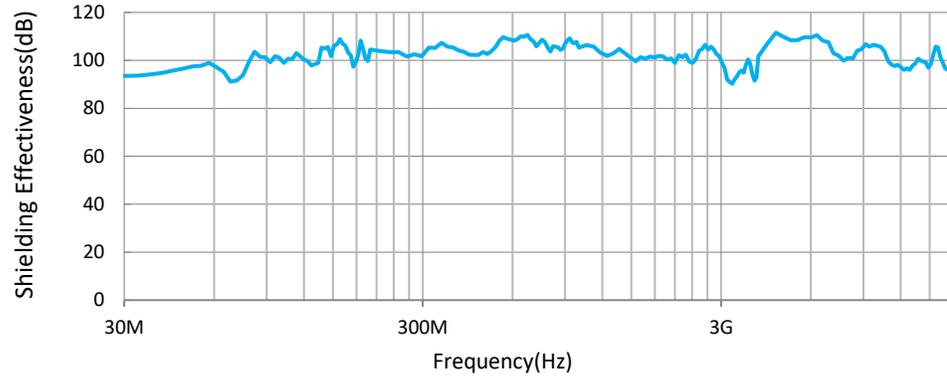
FORCE/DISPLACEMENT/RESISTANCE (FDR)



Note: This graph will vary with dimension.

SHIELDING EFFECTIVENESS (DB)

Shielding Effectiveness
Tested I.A.W. MIL-DTL-83528C (Modified)



Note : 4.5mm H x 6.5mmW, 50% compression

CHARACTERISTICS

ITEM	UNIT	VALUE	TEST METHOD
Color		Grey/Black*	
Shielding Effectiveness			
	at 100 MHz	103 average	MIL STD 83528C
	at 1 GHz	dB	100 average
Surface Resistivity	Ω/\square	< 0.05	ASTM F390
Compression Set	%	< 20	ASTM D3574 22Hours @70°C
Operation Temperature	°C	-40 - 70	
Hazardous Substance	Compliant with RoHS (Directive 2011/65/EU)		
	Halogen-free (based on IEC-61249-2-21)		
Shelf Life	12 months at 23°C/60% R.H.		

*Laird 519 offers natural(grey) color and black color for selection.

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