

UL94V0 RATED Ni/Cu POLYESTER TAFFETA FABRIC-OVER-FOAM



Laird Technologies' Fabric-over-Foam (FoF) 519 EMI gaskets are a new development for a softer gasket with lower resistance and higher shielding performance. The 519 EMI gaskets provide excellent EMI shielding performance for customers where EMI issues occur. The 519 EMI gaskets are composed of electrically conductive fabric wrapped around a soft urethane foam core. They are supplied with either a conductive or non-conductive pressure sensitive adhesive (PSA), and can be equipped with an Extended Release Liner (ERL) on the adhesive. The 519 EMI gasket is a halogen-free, UL 94V0 rated product that can be created with cross-section profiles of rectangle.

FEATURES

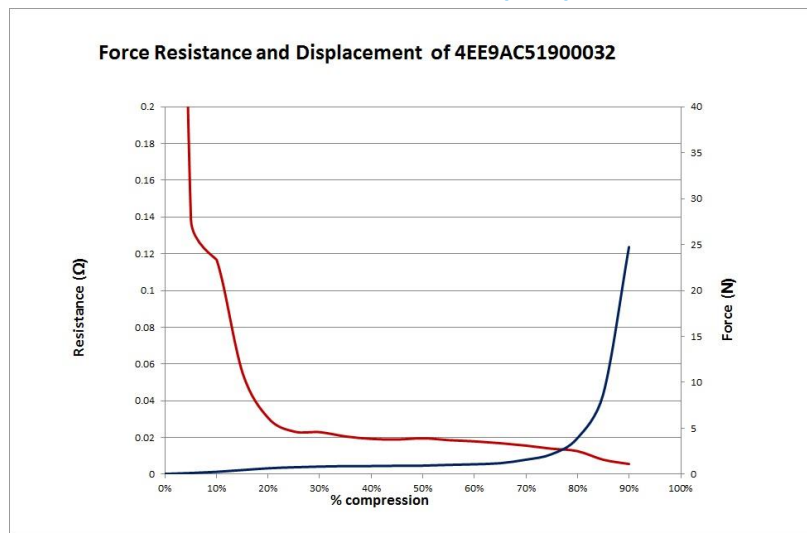
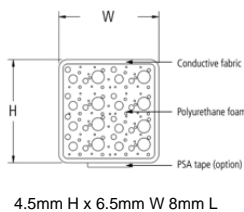


- Ultra low compression forces allow for use of lighter materials
- UL94V0
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of $< 0.05 \Omega/\square$ provides excellent conductivity

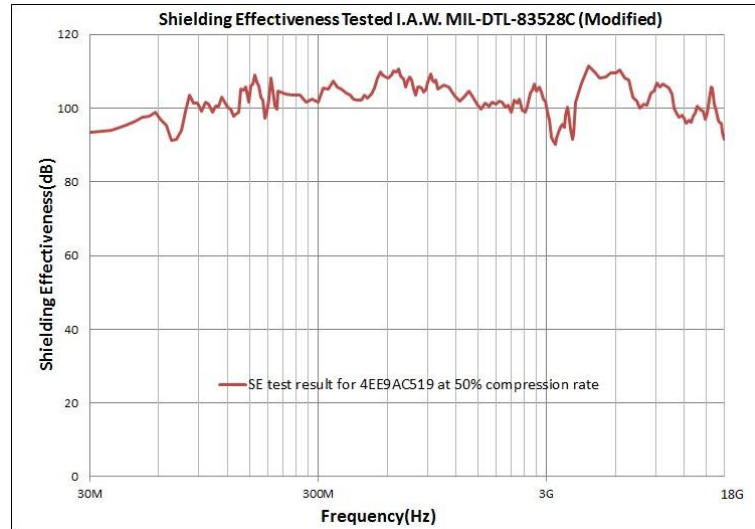
APPLICATIONS

- Handsets/Tablets
- Laptop computers
- Cabinet applications
- Displays
- Medical equipment
- Servers
- Printers
- Networking equipment
- Desktop computers
- Telecommunications cabinets

FORCE/DISPLACEMENT/RESISTANCE (FDR)

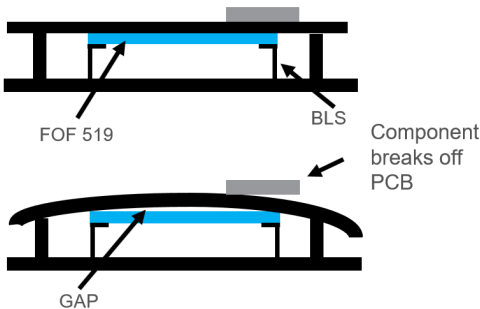


SHIELDING EFFECTIVENESS (DB)



CHARACTERISTIC

ITEM	UNIT	VALUE	TEST METHOD
Shielding Effectiveness			
		at 100 MHz	101
		at 1 GHz	105
Surface Resistivity	Ω/\square	< 0.05	ASTM F390
Compression Set	%	< 20	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)		
Shelf Life	Antimony-free		
	12 months at 23 $^{\circ}\text{C}$ /60% R.H.		



Application notes:

- 1) Common shapes: Square, Rectangular, Triangular, Bell & C-fold
- 2) This gasket provides excellent shielding and grounding in compression and shear applications.
- 3) This type of product is commonly used when low compression force, low resistance & ULV0 properties are required.

Application example:

When 2 mating surfaces under compression lack the rigidity to prevent warping and/or damage to the mating parts when using standard fabric over foams. When you combined the rigidity issue mentioned with the a ULV0 requirement 519 provides an excellent solution.

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