

ECOFOAM™ CONDUCTIVE FOAM

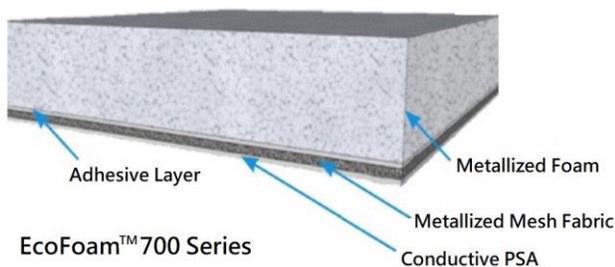
Laird's Ecofoam™ CF700 offers an innovative approach to traditional shielding and grounding by providing X, Y and Z-axis conductivity, enhancing the shielding effectiveness required to meet the increasing microprocessor speeds of today's computer, telecommunications and other electronic equipment. The product is offered with a conductive PSA tape on one side. Ecofoam™ can be customized to your application by die-cutting, hole-punching, notching, and so on and is especially useful for odd-shaped applications which are difficult to shield with typical profile gaskets. Ecofoam™ is designed for low-cycling applications such as input/output (I/O) shielding and other non-shear standard connectors.

FEATURES

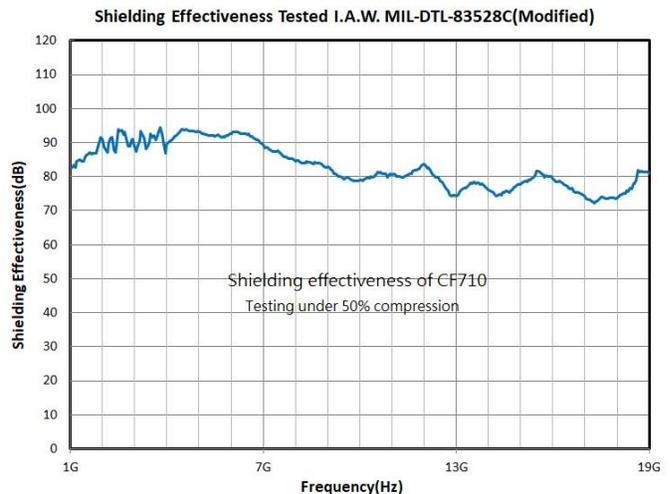
- Excellent z-axis conductivity to provide good EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- UL 94V0 flammability rating
- RoHS compliant and halogen free per IEC-61249-2-21 standard
- The recommended operating compression for EcoFoam EMI gaskets will vary depending on the size of the gasket. Typically recommend to compress 25% to 50% of the original height

APPLICATIONS

- Servers and Cabinets Application
- Telecommunication Equipment
- Television/Displays
- Desktop / Laptop Computers
- Tablets/ Smartphones
- Medical Equipment
- Automotive Application



SHIELDING EFFECTIVENESS



CHARACTERISTIC

ITEM	UNIT	VALUE	TEST METHOD
Thickness & Tolerance	mm	1.0(+0.3/-0.1)	
		1.5(+0.3/-0.1)	
		2.0(+0.3/-0.2)	
		2.5±0.5* ¹	
		3.0±0.5* ¹	
Shielding Effectiveness* ²			MIL-DTL-83528C (modified)
@3GHz	dB	89	
@18GHz	dB	73	
Z-axis Resistance* ³	Ω	<0.2	Laird Internal
Operation Temperature	°C	-40 - 70	
Flame Retardant		UL 94V0 (UL file No. E170327 V0 037)	
Color* ⁴		Grey or dark grey	
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°C /60% R.H.	

*1 Customized thickness 2.5 and 3.0mm are available with MOQ 200sqm or equivalent.

*2 Data of CF710

*3 25mm x 25mm, 50% compression ratio

*4 Color is grey or darker grey, and some visible white dust may appear on the surface.

ORDERING INFORMATION

PART NUMBER EXAMPLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	F	7	1	5	H	A	0	1	0	5	0	2	0	0
1st to 5th: PRODUCT NAME AND DETAILS 3rd : Product series 4th to 5th : thickness code e.g. 15=1.5mm (if the thickness <10mm)					6th to 7th : DETAILS CODE Assigned by Laird Eng. Team 6th: Reserve B, F, G, H, J, K, L for customized part		8th to 11th digits: PRODUCT WIDTH e.g. 0105=10.5mm			12th to 15th digits: PRODUCT LENGTH e.g. 0200=20.0mm e.g. 020M=2.0meter (if the part length is over 999.9mm)				

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