

**EcoFoam™ Black Conductive Foam**

**ECOFOAM™ CONDUCTIVE FOAM**

Laird's EcoFoam™ 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, telecommunication, and other electronic equipment. CF600-series is one of the EcoFoam™ family with black color. 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.



**FEATURES**



- Black color
- Available in thicknesses from 0.3mm to 3.0 mm
- Excellent z-axis conductivity to provide good EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- 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 compressing 25% to 50% of the original height

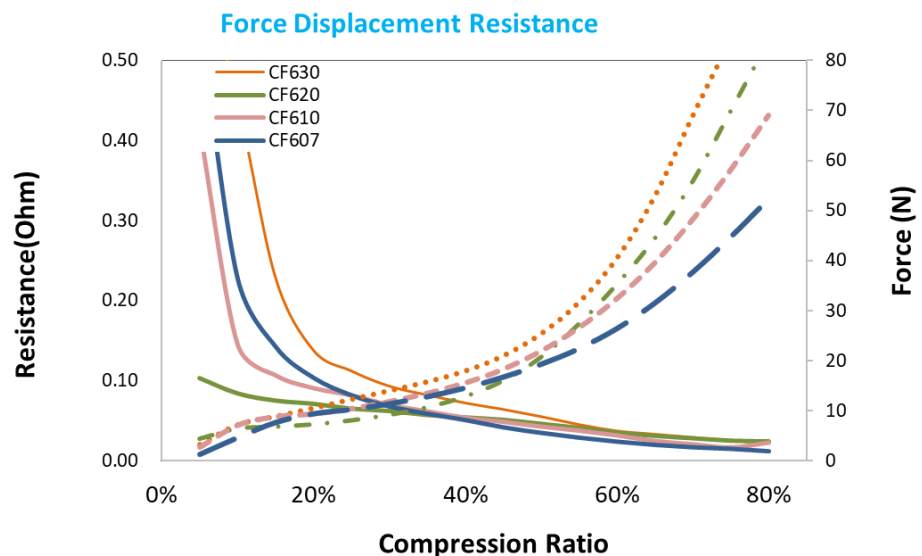
**APPLICATIONS**

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

**DESIGNATION of CF600 SERIES**

THICKNESS	DESIGNATION
0.3mm	CF603
0.5mm	CF605
0.7mm	CF607
1.0mm	CF610
1.5mm	CF615
2.0mm	CF620
2.5mm	CF625
3.0mm	CF630

**SHIELDING EFFECTIVENESS**

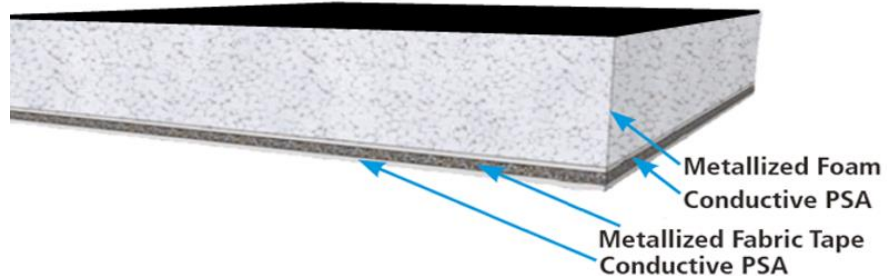


**CHARACTERISTIC**

ITEM	UNIT	VALUE	TEST METHOD
Thickness (foam w/o PSA)	mm	0.3, 0.5, 0.7, 1.0, 1.5, 2.0, 2.5, 3.0	
Shielding Effectiveness @1GHz	dB	60 average	MIL-DTL-83528C (modified)
Z-axis Resistance*	Ω	<0.2	Laird Internal
Operation Temperature	°C	-10 to 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°C/60% R.H.	

\*Under 50% compression

**Ecofoam<sup>TM</sup> 600-Series with CPSA**



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**ORDERING INFORMATION**

**PART NUMBER EXAMPLE**

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

EMI-ENSL-DS-CF600 0122

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