



ECOTEMPTM HIGH TEMPERATURE FOF GASKETS

The Laird EcoTempTM Fabric-over-Foam (FOF) 663 gasket is a highly versatile material capable of providing EMI shielding and grounding over a wide temperature range of -40°C to 125°C. It is composed of metallized fabric wrapped around a soft silicone foam core, and with its unique technology, it can be created in various cross-section profiles such as square, rectangular, hourglass, or trapezoid while also being customized to suit any application through processes like die-cutting, hole punching, notching, and more.

EcoTempTM FOF 663 is also available with either a non-conductive or electrically conductive pressure-sensitive adhesive (PSA) and can be equipped with an extended-release liner (ERL) on the adhesive. Additionally, it is flame-retardant, halogen-free, and PFAS-free.

FEATURES



- RoHS compliant, PAFS free, and halogen-free per IEC-61249-2-21 standard
- Flammability UL94V0
- Low surface resistivity of <math><0.04\Omega/\text{sq}</math> provides excellent EMI shielding and grounding.
- Many cross-section profiles available
- Extremely low compression set offers long term reliability

APPLICATION

- Servers and Cabinets Application
- Telecommunication Equipment
- Tablets/ Smartphones
- Medical Equipment
- Automotive Application

SPECIFICATION OF 663

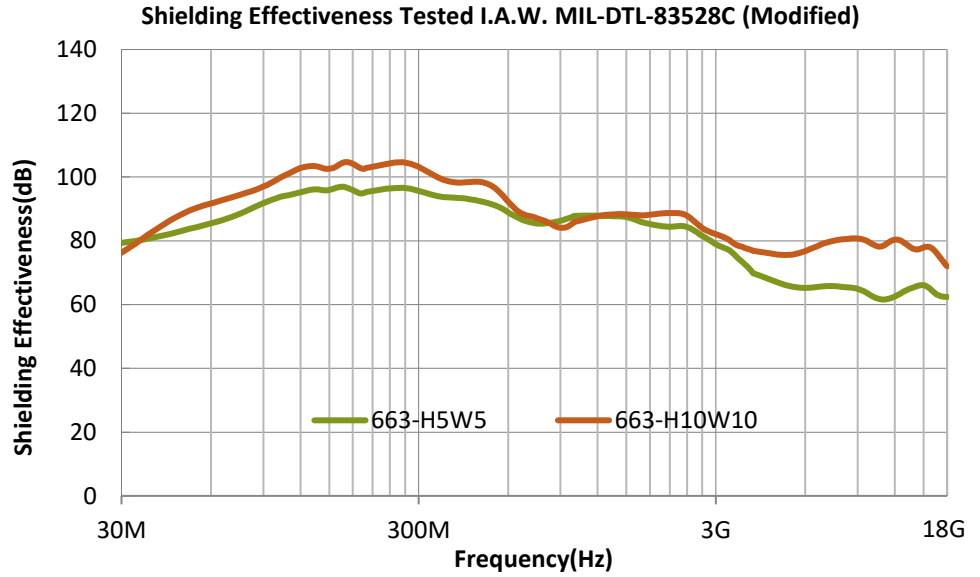
Item	Unit	Value	Test Method
Shielding Effectiveness [^]			MIL-DTL-83528C (modified)
@100MHz	dB	93	
@1GHz	dB	87	
Surface Resistivity (fabric)	Ω/sq	<math><0.07</math>	ASTM F390
Compression Set [^] @125°C/22hours	%	<math><5</math>	ASTM D3574
Operation Temperature	°C	-40 to 125	
Flame Retardant		V0	UL94(E170327 V0 048)
Hazardous Substance	Complaint with ROHS (Directive 2011/65/EU)		
	PFAS Free		
	Halogen-free (Based on IEC-61249-2-21)		
	Antimony-free		

[^]5mmH x 5mmW, 50% compression ratio

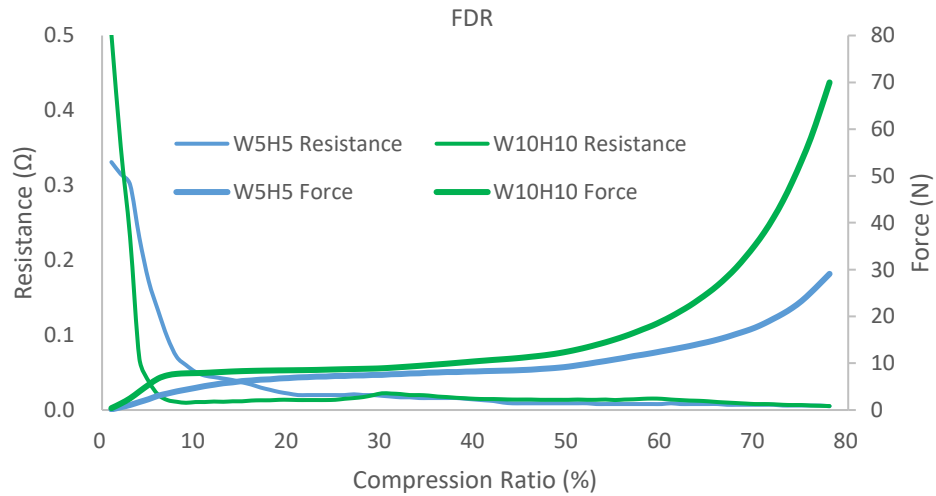
SHELF LIFE

12 months at 23°C/60% R.H.

SHIELDING EFFECTIVENESS (dB)



FORCE DISPLACEMENT RESISTANCE



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