

77A Ultra-soft EMI Gaskets

Fabric-over-Foam

Ni/Cu polyester taffeta fabric-over-foam

Laird's Fabric-over-Foam (FoF) 77A EMI gaskets provide wide compression ranges with low compression force, excellent EMI shielding performance and offering excellent assembly tolerance absorbing for customers where EMI issues occur. The 77A Series EMI gaskets are composed of electrically conductive fabric wrapped around a soft urethane foam core. They are supplied with a conductive pressure sensitive adhesive (PSA).

The 77A series is a halogen-free product with cross-section profiles of rectangle.



FEATURES



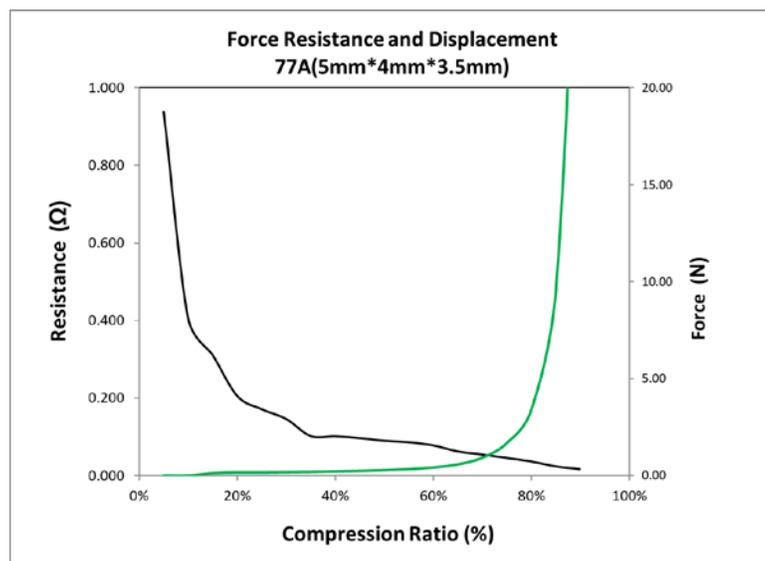
- Low compression forces allow for use of lighter materials
- Operation temp up to 85°C
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of $< 0.07 \Omega/\square$ provides excellent conductivity

TARGET APPLICATIONS

- Handsets/Tablets
- Laptop computers
- Cabinet applications
- Light weight consumer devices
- Applications made with thinner materials
- Displays
- Narrow gaps

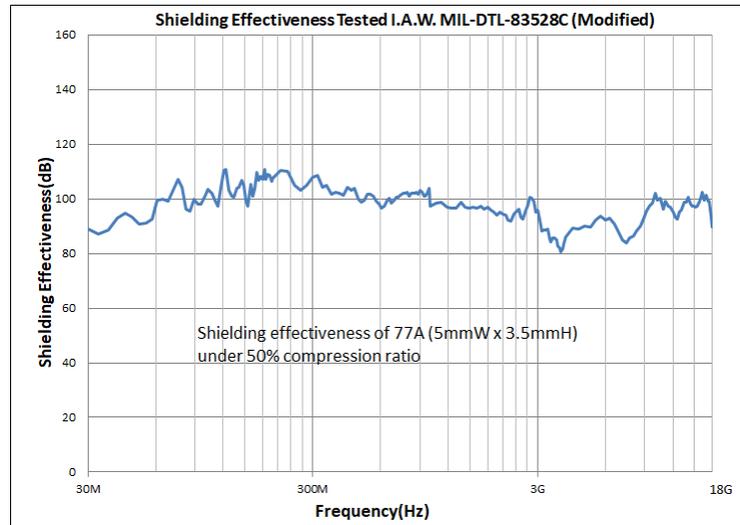
APPLICATIONS

- Medical equipment
- Servers
- Printers
- Networking equipment
- Desktop computers
- Telecommunications cabinets
- Automotive



FORCE/DISPLACEMENT/RESISTANCE (FDR)

SHIELDING EFFECTIVENESS (DB)



CHARACTERISTIC

ITEM	UNIT	VALUE	TEST METHOD
Shielding Effectiveness			
at 100 MHz		103	MIL STD 83528C
at 1 GHz	dB	97	
Surface Resistivity	Ω/\square	< 0.07	ASTM F390
Compression Set@85°C	%	< 15	ASTM D3574
Operation Temperature	°C	-40~ 85	
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.		

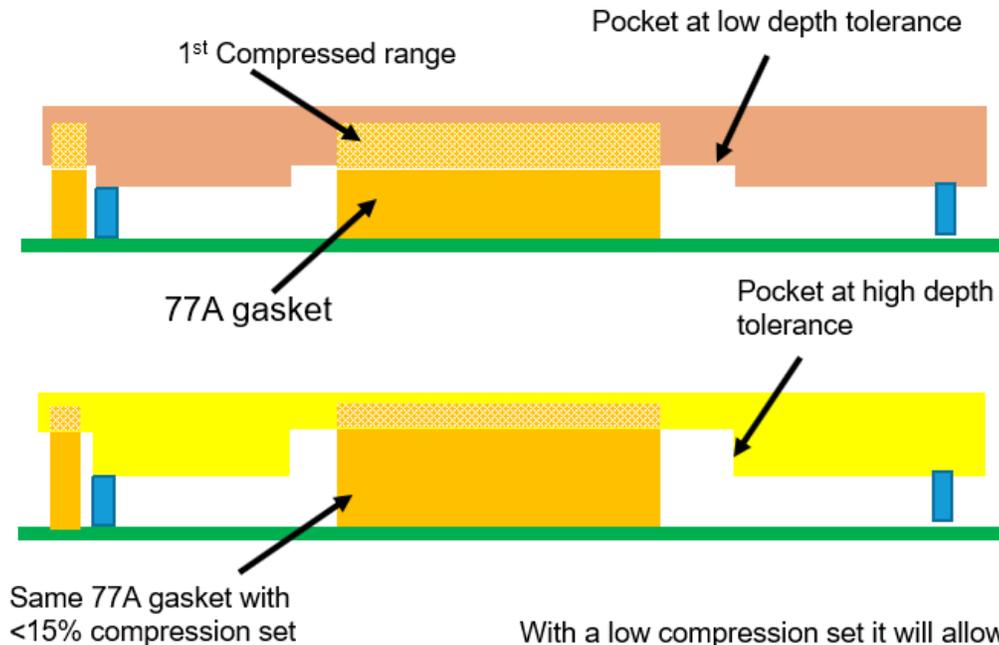
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Application Example:

A cell phone with 2 thin mating surfaces and one of those components has a Molded pocket or lip with high tolerances. The low compression set and ultralow compression force gasket is well suited for this. This is especially true when during rework is required and a mating component has to be replaced. The high temperature tolerance of the gasket is also beneficial.



With a low compression set it will allow a customer to widen the tolerances on molded or cast parts. This in turn reduces costs.