



UL 94V0 RATED SN/CU NYLON RIPSTOP (NRS) FABRIC-OVER-FOAM

Laird's Fabric-over-Foam (FoF) 51S EMI gaskets provide excellent EMI shielding performance for customers where EMI issues occur. The 51S Series 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 51S is a UL 94V0 rated product that can be created with cross-section profiles such as rectangle, D, C, P, T, knife, bell shapes, and others. The 51S EMI gaskets can be further customized to an application by die-cutting, hole punching, notching, etc.

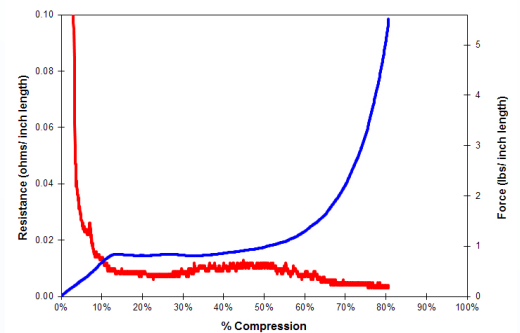
FEATURES

- Fabric-over-Foam gaskets are RoHS compliant
- UL 94V0
- Low surface resistivity of $< 0.07 \Omega/\square$ provides excellent conductivity
- Shielding effectiveness of >85 dB across a wide spectrum of frequencies
- Extremely low compression forces allow for use of lighter materials
- Fabric is highly conductive to provide good EMI shielding and grounding
- Laird's proprietary coating prevents fabric fraying and fingerprinting, and increases abrasion resistance
- Available with conductive or non-conductive PSA
- Many cross-section profiles available such as rectangle, D, C, P, T, knife, bell and more
- Profile gaskets can be cut to specified lengths, kiss-cut on release liner, or mitered to form frame configurations

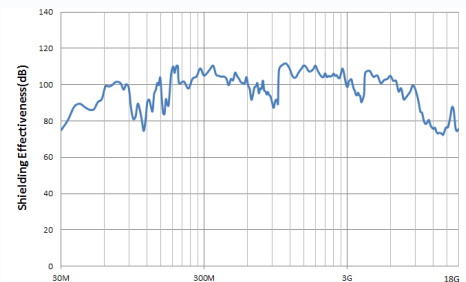
MARKETS

- Cabinet applications
- LCD and Plasma TV
- Medical equipment
- Servers
- Printers
- Laptop computers
- Networking equipment
- Desktop computers
- Telecommunications cabinets

FORCE/DISPLACEMENT/RESISTANCE (FDR)



SHIELDING EFFECTIVENESS (dB)



USA: +1.866.928.8181
Europe: +49.0.8031.2460.0
Asia: +86.755.2714.1166

* Part tested: 5 mm H x 10 mm W, rectangle shape

Diagram illustrating the proposed device structure. The device is a square patch with width W and height H . It consists of a central layer of Polyurethane foam, which is a grid of interconnected circles. This foam is sandwiched between two layers of Conductive fabric. The entire assembly is bordered by PSA tape (option).

Name	Type	Thickness (mm)	Peel strength on stainless steel (JIS Z 0237)	Z-axis Resistance
LT-301	Conductive PSA	0.09	> 1.3 kgf/25 mm	< 0.05 Ω
LT-350	PSA	0.12	> 2 kgf/25 mm	-

ORDERING INFORMATION

Digits: 1 2 3 4 5 6 7 8 9 10 11 12 13 14

4 2 1 6 A A - 5 1 5 - 0 1 4 0 0

Profile Shape & Details Product Name Part Length
(inches to two decimal points)