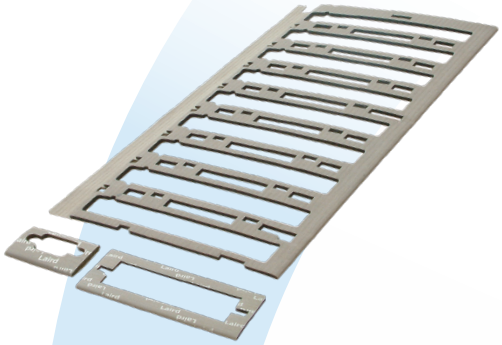
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

EcoGreen™
Environmentally Friendly Fabric-Over-Foam Shielding Gaskets



ENVIRONMENTALLY FRIENDLY, HALOGEN-FREE, FLAME RETARDANT EMI SHIELDING SOLUTIONS

Laird Technologies is pleased to introduce the next generation in RoHS-compliant EMI shielding technology.

While Laird Technologies' Fabric-Over-Foam EMI gaskets are RoHS compliant, we are proactively strengthening our compliancy by engineering halogen-free EcoGreen™ shields.

Not only are the patented EcoGreen™ shields environmentally friendly, they offer high EMI shielding effectiveness, extremely low compression forces, abrasion-resistant metallized fabrics, large service temperature ranges, and multiple profile/gasket options.

Laird Technologies' shields are flame retardant and pass the stringent UL94-V0 burn test.

KEY FEATURES

- Halogen-free; meets IEC 61249-2-21 standard
- Profiles and I/O gaskets are available with pressure sensitive adhesive (PSA) tape
- Profiles can be cut to specified lengths, kiss-cut release liner or mitered to form frame configurations
- Shielding effectiveness of > 100 dB
- Extremely low compression force allows the use of lighter weight materials with less fastening and hinge hardware
- Low surface resistivity as low as < 0.07 ohms/square provides improved conductivity (ASTM F390*)
- Service temperature range from - 40°F to 158°F (- 40°C to 70°C)

APPLICATIONS

- Computer servers
- Desktop computers
- Digital cameras
- Internal/external hard drives
- Liquid Crystal Displays (LCDs)
- Medical equipment
- Notebook computers
- Plasma Display Panels (PDPs)
- Printers
- Set-top boxes
- Telecommunications enclosure cabinets

AGENCY APPROVALS

- UL designation V0 041
- UL File #OCDT2.E170327
- UL Yellow Card (found at www.ul.com)

*Modified

global solutions: local support™

USA: +1.866.928.8181
Europe: +49.8031.2460.0
Asia: +86.755.2714.1166

www.lairdtech.com

ecoGREEN™

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FABRIC

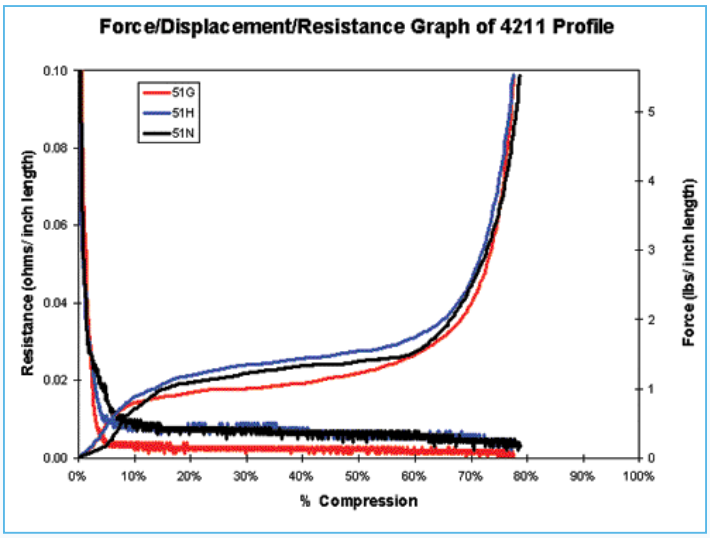
PRODUCT NUMBER	FABRIC TYPE	METAL COATING	CONDUCTIVITY	APPLICATION	TEST METHOD
51G	Ripstop	Ni/Cu	<0.07 ohms/square	I/O or Profile Gaskets	Flame retardant, high abrasion resistance
51H	Taffeta	Ni/Cu	<0.07 ohms/square	I/O or Profile Gaskets	Flame retardant, abrasion resistant
51N	Knit Mesh	Ni/Cu	<0.10 ohms/square	I/O or Profile Gaskets	Low cost, flame retardant

FOAM

FOAM TYPE	COMPRESSION SET (ASTM D 3574*)	COLOR	APPLICATION	BENEFITS
Urethane (Polyester)	5 - 10%	Charcoal	I/O or Profile Gaskets	Simple, moderate shapes, low compression force / compression set, flame retardant

PRESSURE SENSITIVE ADHESIVE

PRESSURE SENSITIVE ADHESIVE	THICKNESS	BENEFITS
Acrylic Non-conductive	.005"	High peel strength, temperature resistant
Acrylic Conductive	.004"	Electrically conductive in Z-axis direction



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EMI-DS-ECOGREEN 1209