

RAM-LFM001 Lossy Foam Absorber Material**Product overview**

Shielding Solutions Lossy Foam Absorbers are a lightweight conductive carbon loaded sheet stock providing broadband insertion loss at microwave frequencies. Lossy Foam Absorbers are designed with a constant coating to exhibit high reflection loss and are intended to be applied to metal surfaces inside microwave cavities, housings, radomes, network enclosures, or antennae. Lossy Foam absorbers are the lowest cost solution for attenuating energy at frequencies from 1 GHz to 18 GHz

Properties

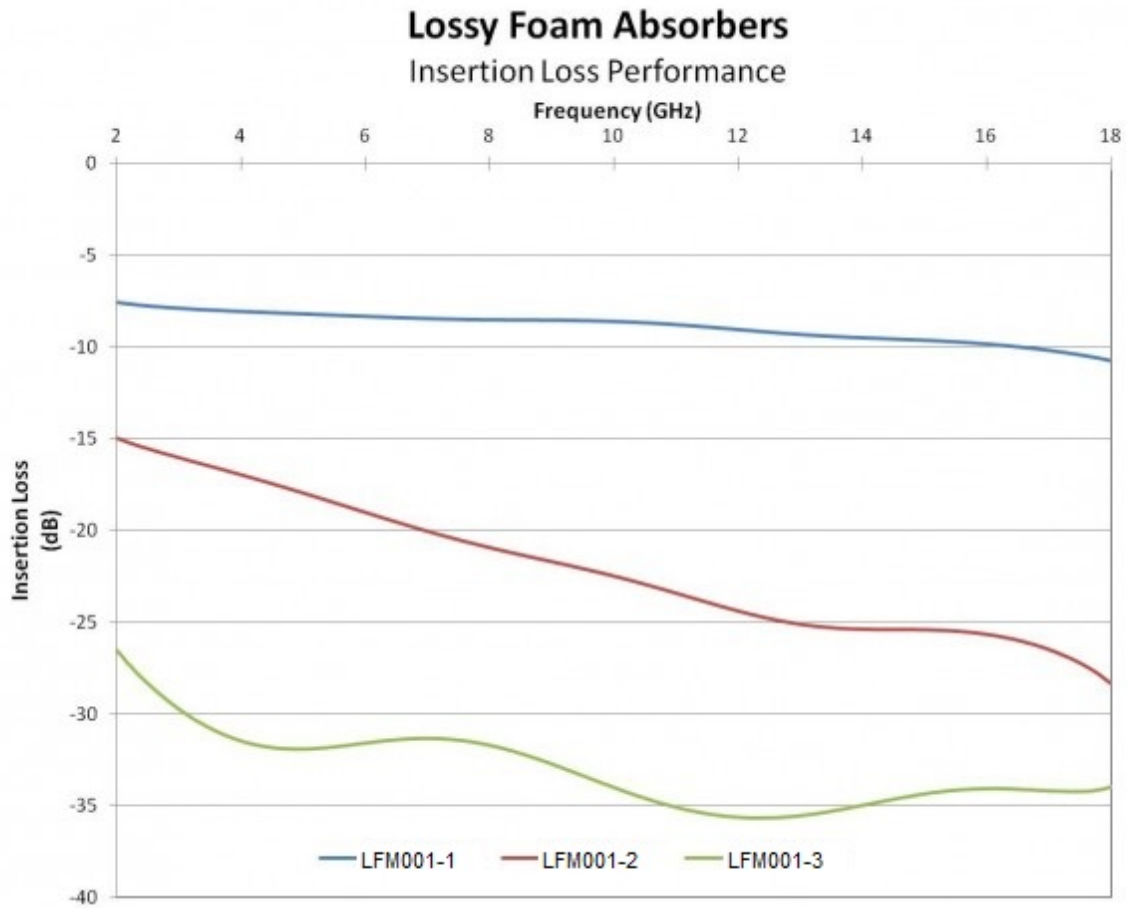
Density (kg per m ³)	135
Flammability Rating (Halogen Free)	UL94-HF1
Resistance (ohms/square - nominal)	200
Operating Temperature (°C)	-50 to 120
Colour	Black

Availability

- Standard sheets are 610 x 610mm (24"x24") with or without PSA
- Custom sizes available
- Thickness varies depending on frequency desired.
- The material can also be supplied in customized shapes.

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Shielding Effectiveness



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Typical Applications

- Antenna Pattern Performance
- Sidelobe/backlobe reduction
- Resonant Cavity Attenuation
- EMI Reduction
- Rx/Tx Antenna Isolation
- Radar Cross Section Reduction
- Dual use air filter / EMI absorber

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