

Magnetically Loaded Thermoplastic Absorber



INJECTION MOLDABLE THERMOPLASTIC ABSORBER:

Eccosorb MF-PP represents a family of injection molded absorbers based on a thermoplastic matrix with high magnetic loss. As such, Eccosorb MF-PP is a cost-effective alternative for Eccosorb MF for medium to high volume applications. It will withstand temperatures up to 120°C.

FEATURES AND BENEFITS

- Thermoplastic polymer amenable to injection molded processes
- Injection molding is ideal for complex shapes and high volume applications – results in lower part cost
- Environmentally friendly, RoHS/Reach compliant

MARKETS

- Telecom infrastructure and wireless networks
- Automotive radar
- Satellite communications
- Military electronics
- Industrial instrumentation
- Medical

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB MF-PP
Tensile Strength (MPa)	10.5
Service Temperature °C (°F)	85 (185)
Density (g/cm³)	4.2
Hardness (Shore A)	80

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

APPLICATIONS

- Eccosorb MF-PP products are used as attenuator and termination in waveguides, coaxial or stripline application.
- Other applications include phase shifters in phased array antennas and structural absorbers for board-level and above board EMI suppression. Board-level solutions include high loss chip-cap structures which combine both shielding and absorption
- Above board, structural covers in Eccosorb MF-PP material are a cost-effective alternative for traditional solutions where an absorbing material is glued on the metallic cover.

USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.laird.com



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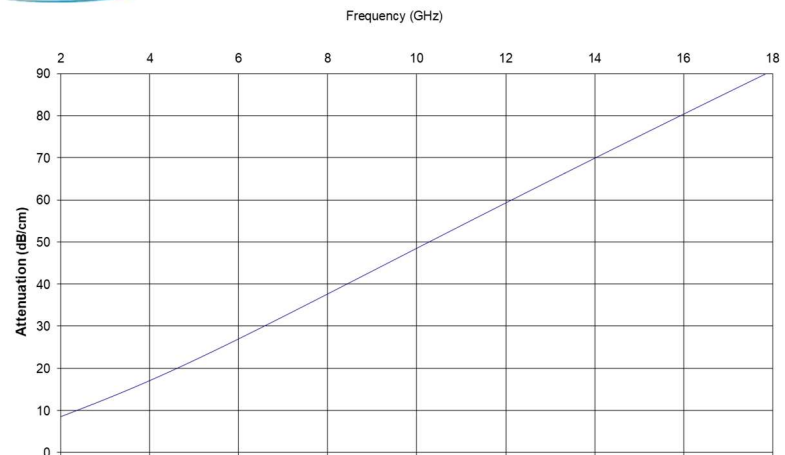
AVAILABILITY

- Eccosorb MF-PP is the standard available grade.
- Other grades are available upon request.
- Products are custom designed in consultation with the customer.

Our application engineers will assist the customer in the complete process, from design to final product. The customized solutions mostly come with a smart mechanical fixing so that no glue is required.



Typical attenuation of ECCOSORB MF-PP-120



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RFP-DS-MF-PP 081215

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