

High Temperature, Magnetically Loaded Thermoplastic Absorber



INJECTION MOLDABLE THERMOPLASTIC ABSORBER:

Eccosorb MF-PA represents a family of injection molded absorbers based on a thermoplastic matrix with high magnetic loss. Eccosorb MF-PA is a high temperature alternative for Eccosorb MF-PP for medium to high volume applications.

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
- Halogen free
- High Temperature Resistance
- Low outgassing – < 1.00% TML and <0.10% CVC

MARKETS

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

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB MF-PA
Tensile Strength (MPa)	47
Max. Service Temperature °C (°F)	170 (338)
Density (g/cm³)	4.27
Durometer Hardness (Shore D)	87

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

APPLICATIONS

- Eccosorb MF-PA 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-PA material are a cost-effective alternative for traditional solutions where an absorbing material is glued on the metallic cover.

AVAILABILITY

- Eccosorb MF-PA is the standard available grade.
- 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.

USA: +1.866.928.8181
 Europe: +49.8031.24600
 Asia: +86.755.2714.1166
www.laird.com



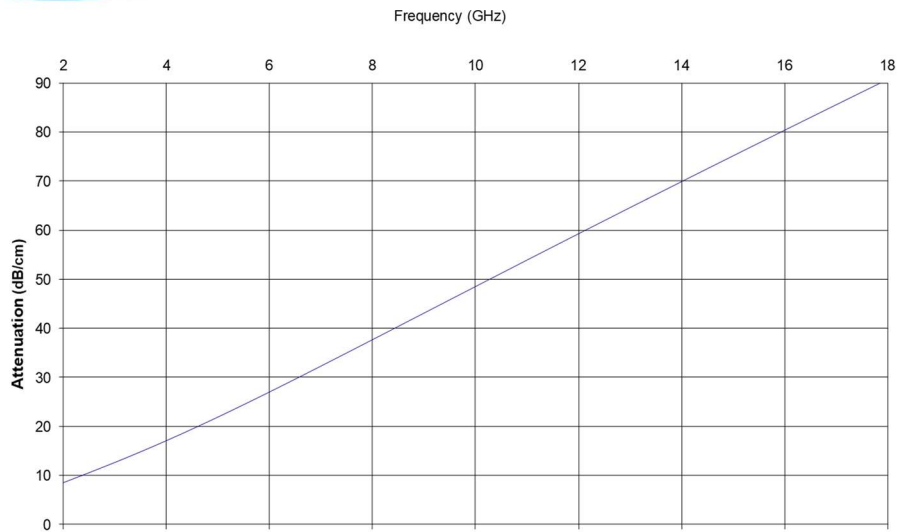


ECCOSORB[®]MF-PA

High Temperature, Magnetically Loaded
Thermoplastic Absorber



Typical Attenuation of Eccosorb MF-PA



USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.laird.com



RFP-DS-MF-PA 102615

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.