

# ECCOSORB® MF-PP

MAGNETICALLY LOADED, THERMOPLASTIC ABSORBER

## Description :

Eccosorb MF-PP represents a family of injection moulded absorbers based on a thermoplastic matrix with high magnetic loss.

As such, Eccosorb MF-PP is a cost-effective alternative for Eccosorb MF (EB-200) for medium to high volume applications.

Will withstand temperatures upto 120°C



## 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-120 material are a cost-effective alternative for traditional solutions where an absorbing material is glued on the metallic cover.

## Physical Properties :

Matrix	Polypropylene
Colour	grey
Tensile strength (MPa)	10.5
Density (g/cm <sup>3</sup> )	4.2
Durometer hardness (Shore D)	80
Outgassing (ESA PSS-01-702)	TML 0.06% RML 0.05 % CVCM 0.01%



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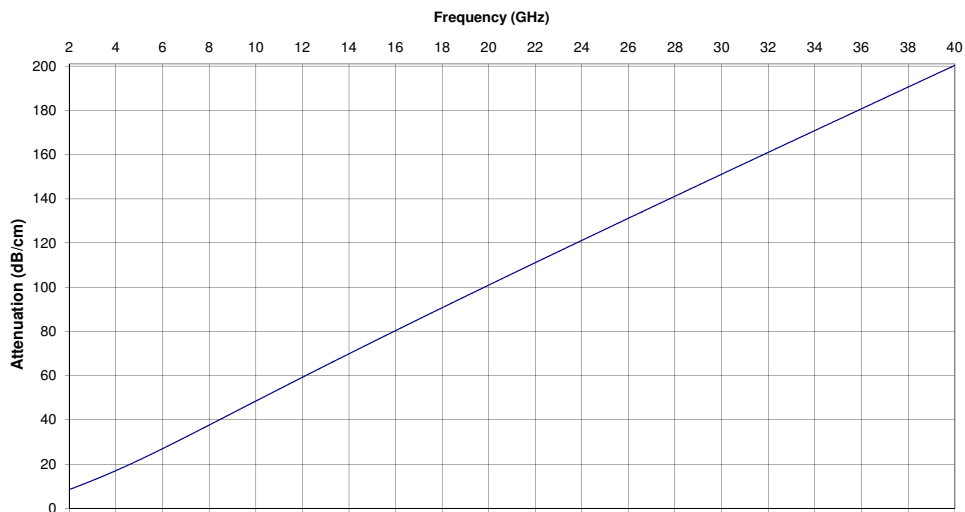
## Availability :

Eccosorb MF-PP-120 is the standard available grade. Other grades are available upon request. Products are custom designed in consultation with the customer.

## Electromagnetic properties:



Typical attenuation of  
ECCOSORB MF-PP-120



## Instructions for use

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.



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**Safety Considerations :** It is recommended to consult the EMERSON & CUMING MICROWAVE PRODUCTS product literature, including material safety data sheets, prior to use EMERSON & CUMING MICROWAVE PRODUCTS products. These may be obtained from your local sales office.

**WARRANTY :** Values shown are based on testing of laboratory test specimens and represent data that falls within the normal range of properties of the material. These values are not intended for use in establishing maximum, minimum or ranges of values for specification purposes. Any determination of the suitability of the material or any use contemplated by the user and the manner of such use is the sole responsibility of the user who must assure that the material as subsequently processed meets the needs of this particular product or use. We hope the information given here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale INCLUDING THOSE LIMITING WARRANTIES AND REMEDIES which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions nor do we intend them as a recommendation for any use which would infringe any patent or copyright.

2012/6 - V01/2

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