

ECCOSORB® MF-TPE

MAGNETICALLY LOADED FLEXIBLE THERMOPLASTIC ABSORBER

✓ RoHS

Description :

Eccosorb MF-TPE represents a family of injection moulded absorbers based on flexible thermoplastic matrix with high magnetic loss. As such, Eccosorb MF-TPE is an alternative to Eccosorb MF-PP when flexibility is required. Both products are the ideal choice for medium to high volume applications.

Applications :

Eccosorb MF-TPE products can be used as attenuator and termination in waveguides, coaxial or stripline application. Other applications include phase shifters in phased array antennas and structural covers to suppress interferences

Availability :

Eccosorb MF-TPE-120 is the standard available grade. Other grades with intermediate losses are available upon request.



Instructions for use :

Our application engineers will assist the customer in the complete process, from prototype design to finished series product.

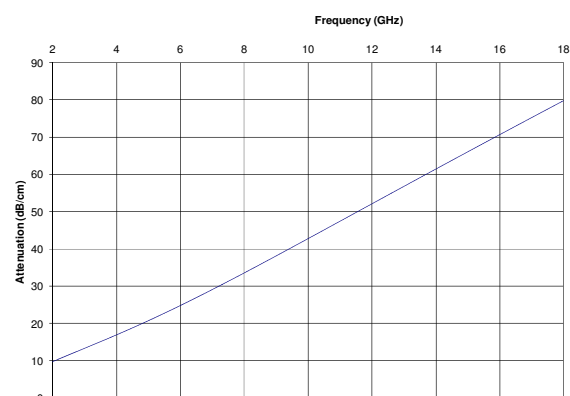
Electromagnetic properties:

Physical Properties :

Matrix	Thermoplastic elastomer
Colour	Grey
Tensile strength (MPa)	6
Service Temperature (°C)	85
Density (g/cm³)	4.1
Durometer hardness (Shore A)	60
Elongation (%)	1800
Youngs Modulus (MPa)	3.8



Typical attenuation of Eccosorb MF-TPE-120



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.

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