

Eccosorb JCP-PA Thermoplastic Absorber



Polyamide Thermoplastic Absorber

Eccosorb JCP PA is an injection molded absorber grade based on polyamide resin .Polyamide is a major engineering and high performance thermoplastic class thanks to its good balance of properties .

JCP PA has been formulated to achieve reduction of interference and enhanced performances as absorber especially in the mm wave band. Its high strength and rigidity turn it in a material of selection across many application and market from consumer, industrial ,automotive to military aerospace .

JCP-PA is compliant with our 3D structure Rezorb concept for improved performances in the 60-90 Ghz band and can be used as an alternative to our Rezorb JCP PP for high demanding applications.

FEATURES AND BENEFITS

- High loss
- High temperature
- Superior mechanical properties
- High Frequency applications 35-100Ghz
- REACH and ROHS compliant

MARKETS

Consumer Automotive ADAS Industrial Telecom/Datacom Aerospace

PROPERTIES	JCP PA Typical Properties
Color	Black
Operating Temperature	-40°C to 170°C
Attenuation	100 dB/cm at 70 Ghz
Insertion Loss @ 77GHz	-15 dB
Density	1.24 g/cc
Hardness	35 Shores D
Tensile Strength @ break	100 MPa
Tensile Elongation @ break	2.5%
Flexural Strength	175 MPa
Flexural Modulus	5000 MPa
Flammability	UL94 HB
Volume Resistivity	>20,000 Ohm cm

APPLICATIONS

- Thermoplastic absorber are of benefits in high volume and/or 3D parts where reflectivity attenuation is required
- JCP PA is recommended in application requiring high mechanical and temperature properties like cover, bracket and any structural part where surface reflection attenuation is necessary. It includes board level shield electronics, bracket for sensors and connectors.

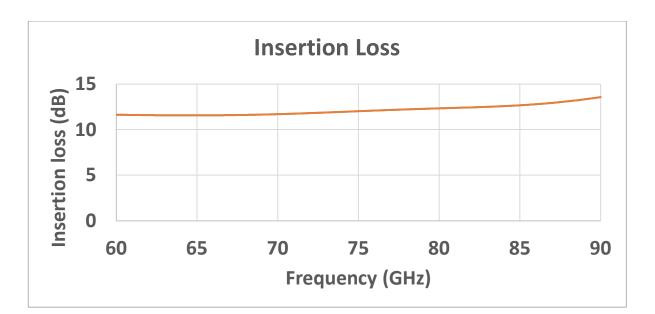
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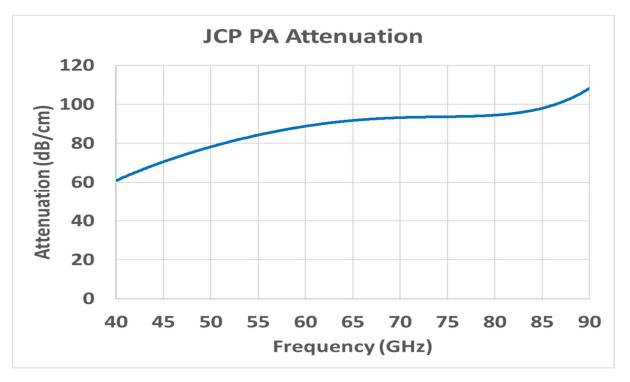


Eccosorb JCP PA

AVAILABILITY

- JCP PA is available as finished injected part according to customer 's drawing .Please contact the engineering team for feasibility
- Standard sample plaques 100x100 mm are available in flat surface 2 mm thickness and in Rezorb textured configuration for evaluation





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