

ABSORBER

Eccosorb JCP-PBT-252 is an injection molded absorber grade based on a PBT thermoplastic matrix. Reinforced with glass fiber, this absorber grade is exhibiting good stability and enhanced mechanical properties.

This compound is loaded with specific filler and can be used in high volume applications that require reduction of interference and enhanced performances through absorbers material.

FEATURES AND BENEFITS

- Thermoplastic polymer amenable to injection molding processes
- Injection molding is ideal for complex shapes and high volume applications – results in lower part cost
- Suitable for intermediate structural parts

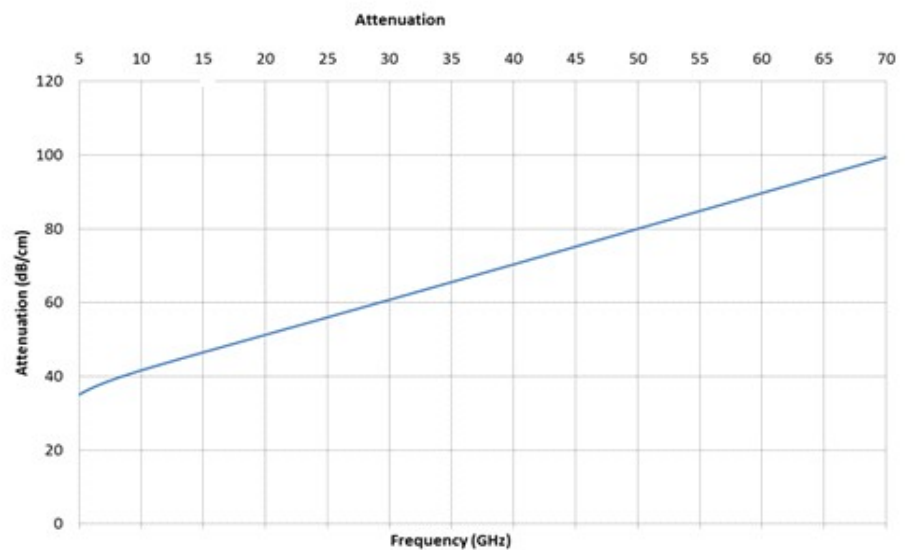
MARKETS

- Automotive radar
- Medical
- Industrial instrumentation/equipment
- Military electronics



SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB JCP-PBT-252
Matrix	PBT
Color	Black/grey
Density (g/cm ³)	1.55
Service temperature(°C)	130
Tensile strength (Kgf/cm ²)	800
Flexural strength (Kgf/cm ²)	1300



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



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

APPLICATIONS

- Typical applications in automotive radar radome and bracket to enhance radar performance and reliability
- Interference mitigation
- Parts made of Eccosorb JCP-PBT-252 are a cost-effective alternative for traditional solutions where an absorbing material is glued onto a substrate.

AVAILABILITY

- JCP-PBT-252 is a standard available grade and will be supplied according to a specific drawing and request of the customer. Laird Technologies will supply additional engineering services for finding the best compromise in both mechanical fixation and RF performance.

INSTRUCTIONS FOR USE

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

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RFP-JCP PBT 252

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