

Eccosorb 5G HiF 1

5G High Frequency absorber



5G High Frequency Absorber

ECCOSORB 5G HiF 1 is a dielectrically loaded elastomer with excellent absorption properties in the high frequencies of the mmWave range. It is flexible with a high service temperature (165C). It has a UL94 fire retardancy rating (pending).

Based on silicone resin along with oxidation resistant filler , It performs well even in harsh environement.

The material is effective in reducing specular reflections as well as suppressing cavity resonances especially above 40 ghz and surface currents

FEATURES

- 5G Frequencies tune
- Silicone Based
- RoHS/Reach compliant

PRODUCT INFORMATION

- Standard sheet size is 305mm x 305mm (12"x12")
- Available in several thicknesses on demand
- Pressure Sensitive Adhesive option
 available

BENEFITS

- High performance at high frequencies >40Ghz
- Outdoor

MARKETS

- Telecom Infrastructure
- Mobile Telecom
- Handset/Consumer
- IoT

AVAILABILITY

- Available from June 2018
- Standard sheet size is 305 mm x 305 mm (12"x12")
- Standard thickness are 0.5mm (0.020") and 1mm (0.040")
- Customized shapes and thicknesses can be supplied, as well as sheets with self-adhesive backing (suffix –SA).

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SPECIFICATIONS

TYPICAL PROPERTIES	FEATURES	
Color	Light grey	
Density	1 Kg/m2	0.5 mm
Service temperature	-55 + 165°c	
Frequency Range	>40Ghz	
Attenuation		
40 Ghz	55 dB/cm	
60 Ghz	75 dB/cm	
80 Ghz	90 dB/cm	
Tensile Strenght	>4 Mpa	
Hardness	70 shores A	
Flammability rating	UL V0 pending	

Data for design engineer guidance only. Observed performance varies in application.

Engineers are reminded to test the material in application.



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