

### THIN BROADBAND MILLIMETER WAVE ABSORBER

Eccosorb MMI is a flexible absorber based on dielectric loss fillers. It gives excellent performance between 40 – 100 GHz. Due to the chemical nature of the dielectric pigmentation system, no oxidation is possible. As such, the product resists outdoor conditions very well.

#### FEATURES AND BENEFITS

- Millimeter wave
- Flexible
- Thin
- High frequency applications
- Excellent outdoor exposure

#### MARKETS

- Automotive
- Commercial Telecom
- Medical
- Industrial

#### SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB MMI
Weight (1mm thickness)	2.2 kg/m <sup>2</sup>
Water absorption	Impervious to water
Service Temperature °C(°F)	-55 to 165 (-67 to 329)
Frequency Range	≥ 6 GHz
Fire Retardancy	UL94 V-1

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

#### APPLICATIONS

- Eccosorb MMI has been applied successfully in automotive applications for collision avoidance and blind spot detection.
- 4G and 5G macro and microcell networks including backhaul and P2P
- Imaging/probing equipment that uses electromagnetic energy

#### AVAILABILITY

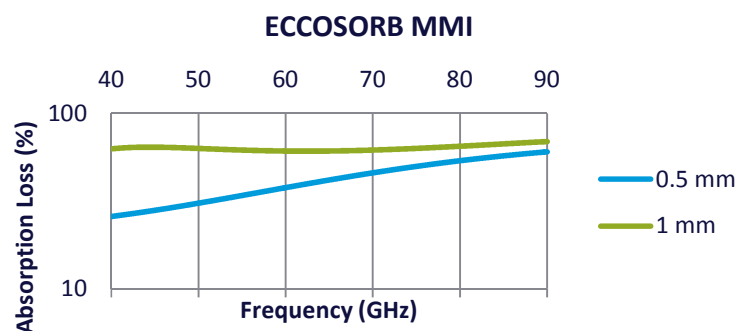
- Standard sheet size is 30 cm x 30 cm, thickness 0.5 or 1 mm. Customized shapes and thicknesses can be supplied, as well as sheets with self-adhesive backing (suffix –SA).

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