



esorb - EA6

Millimeter wave absorber

esorb - EA6 is a flat sheet flexible rubber based microwave absorber. The absorber is a dielectric loaded elastomer which resists very well on outdoor applications. The polyurethane base material allows easy bonding with a peel and stick adhesive. Due to the chemical composition the material will not show oxidation when used in harsh outdoor environments.

Applications :

- **esorb** - EA6 is often used in automotive sensor applications operating at high frequencies such as 79 GHz and above.
- **esorb** - EA6 can be applied in antenna cavities but also on free space outdoor applications, the material will primarily reduce high frequency reflections.

Properties :

The table below shows the most important properties of **esorb** - EA6 absorber material :

Nominal weight	+/- 2,3 Kg/m ²
Composition base material	Polyurethane
Colour	Light grey/blue
Water absorption	Impervious to water
Maximum service temperature	-40 up to +120°C

Availability :

esorb - EA6 is available as standard sheets with outside dimensions of 305x305mm, typical thicknesses are 1mm and 0,5mm. Also specific or customized sizes and shapes can be supplied.

In order to obtain its maximum reflectivity performance, the material can also be supplied with a metal backing, typically a conductive foil will be applied.
