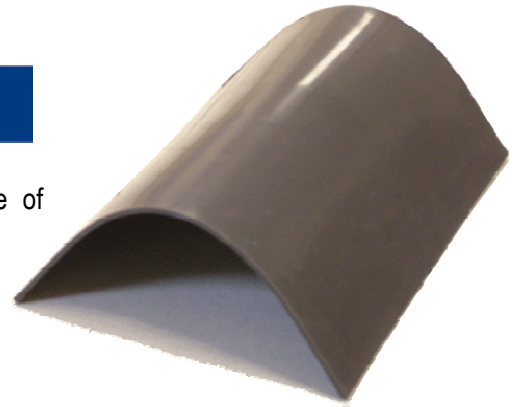


# SILICONE ABSORBER HYFRAL ASI

## PRESENTATION OF THE MATERIAL

HYFRAL ASI is a thin and flexible absorber sheet made of elastomer silicone resin and combined with magnetic load.



## FIELD OF APPLICATION

HYFRAL ASI are narrowband resonant absorbers. They provide a reflectivity of from – 25 to -30dB at resonance frequencies and – 20 dB on a bandwidth as wide as 10 % of the central frequency. They can be tuned on any frequency between 1.5 and 18 GHz, by optimization of the thickness and load concentration.

## TECHNICAL FEATURES

**Matrix:** Silicone resin

**Load:** Magnetic powder.

**Colour:** grey

**Installation:** to be glued on metallic support

**Power handling:** 0.9 W/cm<sup>2</sup>

**Max. service temp.:** -60°C to 230°C

**Sizes:** Tiles 300 x 300 mm (+ 0/-3)

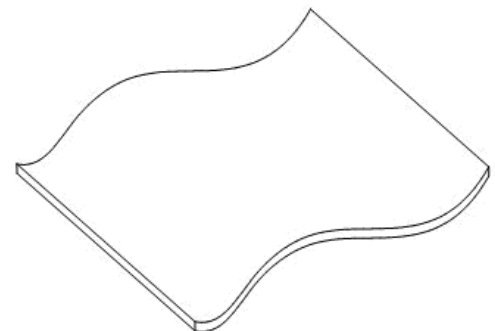
*The thickness depends on the frequency of use.*

**Chemical resistance:** Good resistance to salty environment and ozone.

## CHARACTERISTICS OF OUR STANDARD PRODUCTS

REF	RESONANCE FREQUENCY	THICKNESS
ASI 1.5	1.5 GHz	4.3 mm
ASI 2	2 GHz	3.7 mm
ASI 2.5	2.5 GHz	3.2 mm
ASI 3	3 GHz	3.2 mm
ASI 4	4 GHz	2.5mm
ASI 5	5 GHz	2 mm
ASI 6	6 GHz	2 mm
ASI 8	8 GHz	2 mm
ASI 10	10 GHz	1.8 mm
ASI 15	15 GHz	1.4 mm
ASI 18	18 GHz	1.2 mm

The table on the left is given for standard product. We are able to customize our products according to your needs.



These data are the result of tests performed in our laboratory. They are considered to be the best of our knowledge. The use of the material and the specification of the performances are made under the whole responsibility of users who should ensure themselves that the material is suitable for their purposes