

FLAT RETICULAR ABSORBER HYFRAL PR

HYFRAL PR is an absorber consisting of foam reticulates impregnated with a carbon dielectric solution and a binder. They are very flexible and can be cut easily.



FIELD OF APPLICATION

These absorbers are used in antenna manufacturing, in order to reduce sides lobes of the antenna, or to avoid coupling between two adjacent antennas.

MAIN CHARACTERISTICS

- Matrix:**
Reticulate polyurethane foam.
- Impregnating agents:** carbon, binder.
- Colour:** black.
- Max. service temp.:** [- 70 ; + 150]°C
- Power handling:** 0,16 W/cm², max CW.

Type	A Width (mm)	B* Length (mm)	C Thickness (mm)	Weight (kg)
PR 10	610	610	10	0,9
PR 15	610	610	15	1,30
PR 20	610	610	20	1,60
PR 50	610	610	50	0,60

* on request the length provided could be 1220 mm

Type	Height (mm)	3 GHz	4 GHz	8 GHz	12 GHz	26 GHz
PR 10	10			- 10	- 12	-13
PR 15	15		- 8	- 13	-15	-18
PR 20	20		- 12	-18	-18	-18
PR 50	50	- 15	-16	-18	-18	-18

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.