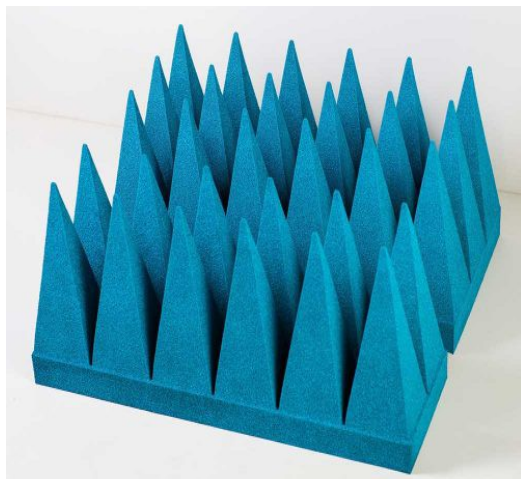


HPP EMC MICROWAVE PYRAMIDAL ABSORBERS

GTEMCELL HPP serie is an ultra broadband absorber, which has been specially designed for Microwave applications to meet and exceed IEC 61000-4-3, MIL STD 462D, SAE performance requirements. The HPP absorbing materials are based upon a conventional pyramid having a square base with a uniform base thickness, tapered to a point. Impregnation procedure has been established to ensure that complete impregnation with both the dielectric lossy material and the fire retardant chemicals are achieved



APPLICATIONS

- Electromagnetic Compatibility measurements
- Microwave measurements
- Radar Cross Section measurement (R.C.S)
- Antenna pattern measurement
- Telecom/wireless
- Satellite
- Automotive
- Military

INSTALLATION

3M 107 Glue
IMOFIX Velcro system

CHARACTERISTICS

Material	Carbon loaded polyurethane foam
Standard Colour	Blue, unless otherwise specified. On special order, other colours are available
Service temperature	120°C
Power handling	0,2W/cm ²
Fire retardant standards	NRL 8093, Tests 1,2 & 3
Physical specifications	Specified in Table 1
Base dimensions	610 x 610 mm
Reflectivity	Specified in Table 2
Environment	material is designed for indoor use only.

PHYSICAL SPECIFICATIONS OF HPP SERIE ABSORBER

HPT GRADE	Total Thickness	Base Height	Total Height	Pyramids per Block	Nominal Weight
HPP 8	90	13 mm	77 mm	256	0,86 Kg
HPP 10	115	25 mm	90 mm	256	0,9 Kg
HPP 20	200	40 mm	160 mm	91	1,6 Kg
HPP 30	300	50 mm	250 mm	36	2,3 Kg
HPP 40	455	75 mm	380 mm	16	3,4 Kg
HPP 60	660	100 mm	560 mm	9	4,8 Kg
HPP 90	905	150 mm	764 mm	4	6,5 Kg
HPP 115	1150	200 mm	950 mm	4	8,3 Kg

ABSORPTION IN DB OF HPT SERIE ABSORBERS AT NORMAL INCIDENCE

	Frequency in GHz										
	0,08	0,1	0,3	0,5	1	3	6	10	18	24	40
HPP 8						27	33	39	45	50	50
HPP 10						30	36	42	50	50	50
HPP 20					30	38	45	50	50	50	50
HPP 30				25	35	40	45	50	50	50	50
HPP 40				30	38	42	47	50	50	50	50
HPP 60	7	11	25	35	40	45	50	50	50	50	50
HPP 90	9	15	30	37	42	50	50	50	50	50	50
HPP 115	12	18	35	40	45	50	50	50	50	50	50