

DIAMOND
MICROWAVE
CHAMBERS LTD



FLAME RETARDANT

HIGH POWER HANDLING
ABSORBERS



Ultra-Premium Quality
Best Performance

FOR MICROWAVE AND EMC CHAMBERS

////// www.dmc rf.com

DMC-HP-PY-FR series absorbers are used in microwave anechoic chamber to shield test equipment inside the chamber. Under vertical incidence and oblique incidence, it has better broadband performance, good scattering attenuation and isolation performance.

DMC-HP-PY-FR

DMC high performance Flame retardant and High power handling absorbers are hollow broadband microwave absorbers made of heat resistant non-woven fabric dipped with flame retardants and microwave absorbing agent.

FEATURES

- Broadband Frequency Range of Operation from 30 MHz to 100 GHz
- Power Handling Capacity up to 6 kW/m²
- Flame Retardant as per NRL-8093 tests 1, 2, 3
- Oxygen index ≥60%
- Maximum Service Temperature up to 150°
- 0% toxic gas emission
- Relative humidity 55% ± 15%
- Can be used in Microwave and EMC chamber
- Keel mounting method without adhesive
- ROHS compliant

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

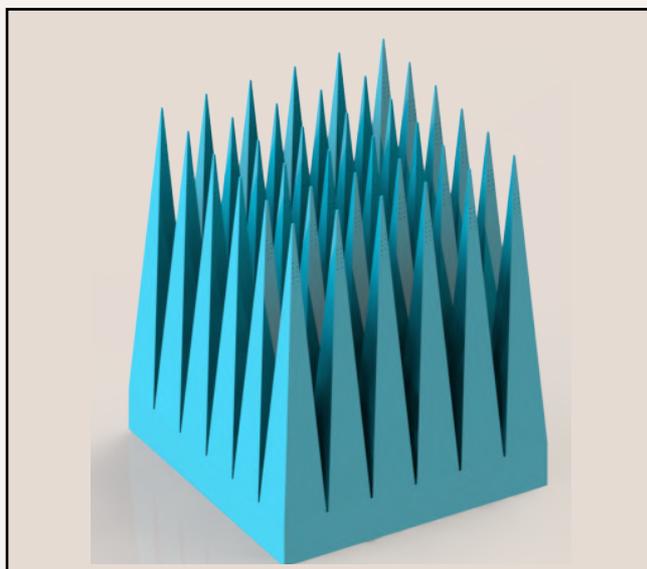
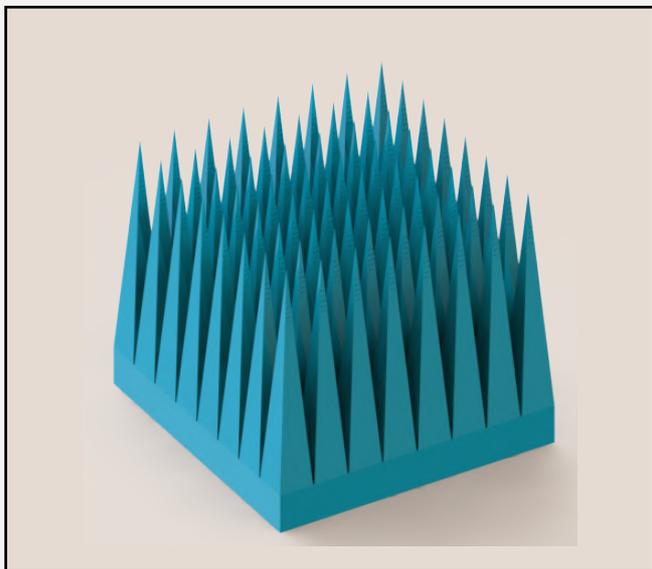
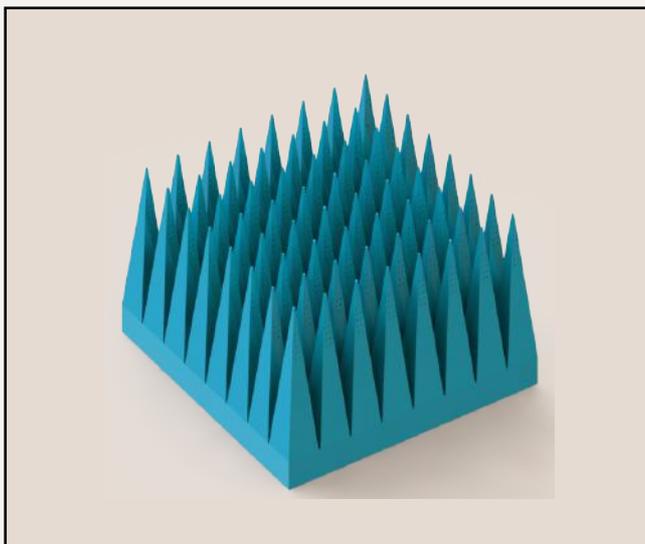
Model Number	30 MHz	80 MHz	300 MHz	500 MHz	1 GHz	3 GHz	6 GHz	10 GHz	18 GHz	40 GHz	100 GHz
DMC-HP-PY-FR-200					27	35	40	45	50	50	45
DMC-HP-PY-FR-300				25	35	40	50	50	50	50	45
DMC-HP-PY-FR-500			20	30	40	45	50	50	50	50	45
DMC-HP-PY-FR-700		8	25	35	40	50	50	50	50	50	45
DMC-HP-PY-FR-1000		11	30	40	45	50	50	50	50	50	45
DMC-HP-PY-FR-1200	5	13	35	40	45	50	50	50	50	50	45
DMC-HP-PY-FR-1500	11	14	35	40	50	50	50	50	50	50	45
DMC-HP-PY-FR-1600	14	16	35	45	50	50	50	50	50	50	45

Values shown are based on testing of laboratory test product and represent data that falls within normal range purposes. Construction standards and absorber mounting procedure defines accurate results. The given information is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we don't warrant the results to be obtained.

PHYSICAL PROPERTIES (in mm)

Model Number	Overall Base Width	Overall Height	Base Thickness	No of Tips	Overall Weight in KG
DMC-HP-PY-FR-200	500 x 500	200	50	81	2.50
DMC-HP-PY-FR-300	500 x 500	300	50	64	3.25
DMC-HP-PY-FR-500	500 x 500	500	75	64	4.75
DMC-HP-PY-FR-700	500 x 500	700	90	36	5.00
DMC-HP-PY-FR-1000	500 x 500	1000	160	16	6.50
DMC-HP-PY-FR-1200	500 x 500	1200	180	9	7.00
DMC-HP-PY-FR-1500	500 x 500	1500	205	9	7.25
DMC-HP-PY-FR-1600	500 x 500	1600	220	9	10.00

Pictures



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