

DIAMOND
MICROWAVE
CHAMBERS LTD



POLYSTYRENE

MICROWAVE ABSORBERS

- » Premium Quality
- » Excellent Performance
- » 30+ Years Electrical Performance

FOR ANTENNA AND EMC CHAMBERS

www.dmcrl.com

DMC Polystyrene Microwave Absorbers are perfect choice for Antenna and EMC chambers for Broadband frequency range of operation from 80 MHz to 100 GHz

DMC-PS-PY-MI

DMC premium quality high performance Polystyrene Microwave Absorbers are made of molding process and the State-of-the-art carbon synthesis process ensures extremely high uniformity of carbon powder density throughout the absorber. DMC-PS-PY-MI series Polystyrene Microwave absorbers provide excellent performance in normal incidence and off angle incidence.

FEATURES

- Broadband Frequency Range of Operation from 80 MHz to 100 GHz
- Made of molding process, closed cell structure and uniform carbon cell loading provides stable performance throughout product life
- Fire Retardant as per NRL-8093 tests 1, 2, 3, UL94 HF, GB8624-B2
- Maximum Service Temperature up to -50° to 70°
- Humidity 40% - 80%
- ROHS and REACH compliant
- Cleanroom equipment suitable per class 10000/ ISO 14644 Class 4
- Plug and pull installation, Long product life with excellent Electrical Performance
- Up to 30 years of electrical performance

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

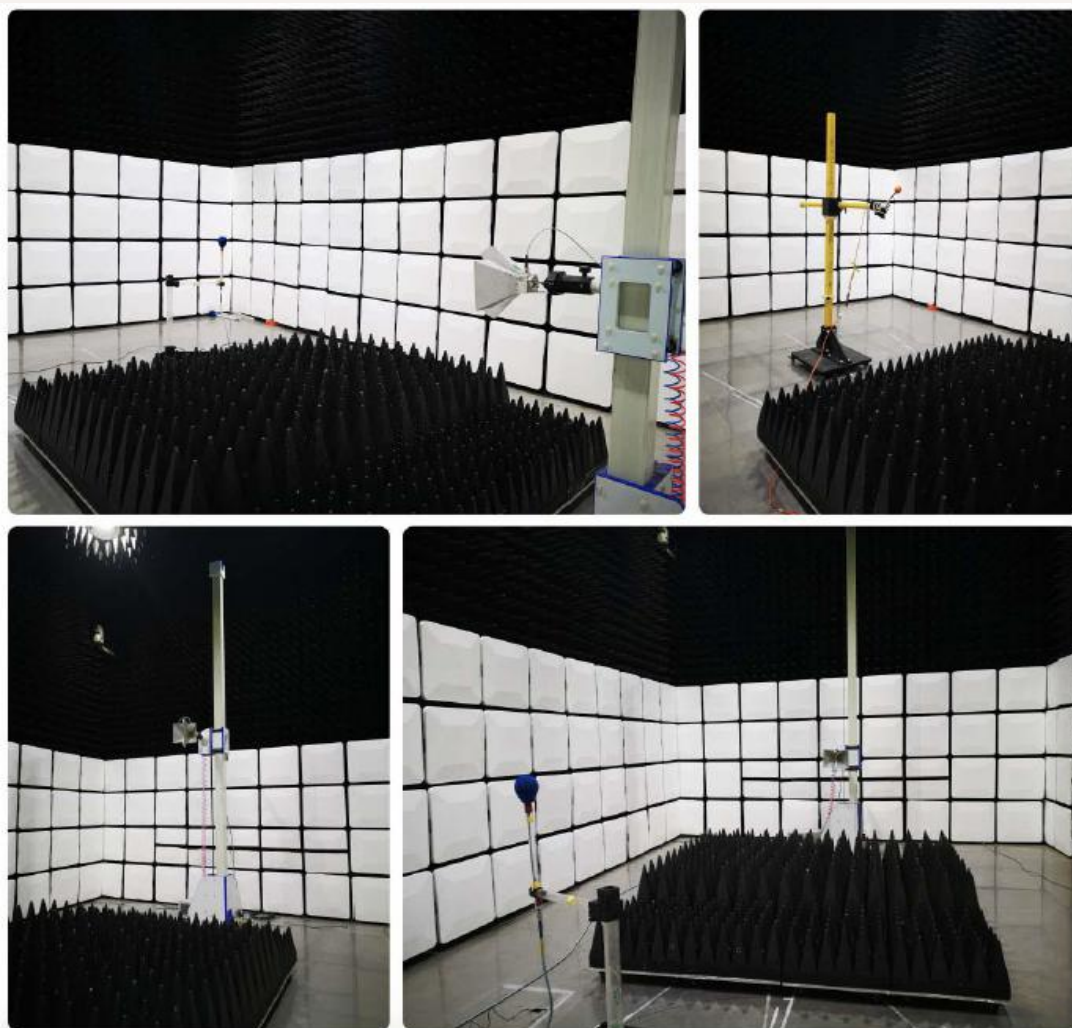
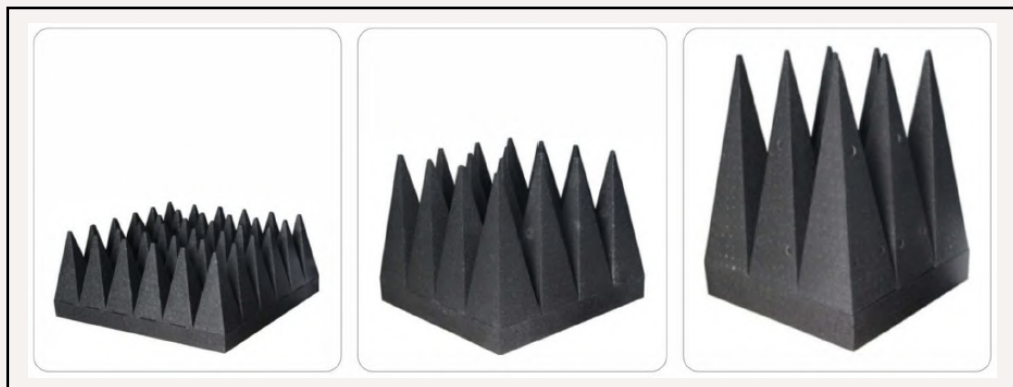
Model Number	80 MHz	300 MHz	500 MHz	1 GHz	3 GHz	6 GHz	10 GHz	18 GHz	40 GHz	100 GHz
DMC-PS-PY-MI-300			25	35	40	50	50	50	50	47
DMC-PS-PY-MI-500	6	20	30	40	45	50	50	50	50	48
DMC-PS-PY-MI-700	8	25	35	40	45	50	50	50	50	48

PHYSICAL PROPERTIES (in mm)

Model Number	Overall Width	Overall Height	No of Tips	Weight in KG/m ²
DMC-PS-PY-HY-300	600 x 600	300	36	2.00
DMC-PS-PY-HY-500	600 x 600	500	16	3.00
DMC-PS-PY-HY-700	600 x 600	700	9	4.50

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.

Pictures



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