

DIAMOND
MICROWAVE
CHAMBERS LTD



POLYPROPYLENE

MICROWAVE
ABSORBERS

////// www.dmcraf.com

FOR ANECHOIC ANTENNA
CHAMBERS

- » Ultra-Premium Quality
- » Best Performance
- » 35+ Years Electrical Performance

Expect the Best from DMC EPP Microwave Absorbers. Unbreakable, Clean test site, 35+ years of electrical performance with Broadband frequency range of operation from 80 MHz to 100 GHz

DMC-PP-PY-MI

DMC Ultra-premium high performance Polypropylene Microwave Absorbers are made of molding process and State-of-the-art carbon synthesis process to ensure extremely high uniformity of carbon powder density throughout the absorber. DMC-PP-PY-MI series microwave absorbers provide excellent performance in normal incidence and off angle incidence in Antenna test chambers.

FEATURES

- Broadband Frequency Range of Operation from 80 MHz to 100 GHz
- Power Handling Capacity of 4.8 kW/m² or 1353 V/m
- Fire Retardant as per NRL-8093 tests 1, 2, 3, UL94 HBF, DIN 4102 Class B2
- Water resistant per GB/T 4208-2017
- Maximum Service Temperature up to 120°
- 0% toxic gas emission
- Cleanroom equipment suitable per ISO 14644 Class 5
- Strong mechanical properties of these absorbers need decent amount of pressure to break. It's almost unbreakable in day-to-day testing activities
- Plug and pull installation, Long product life with excellent Electrical Performance
- ROHS and REACH compliant

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

Model Number	80 MHz	250 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz	100 GHz
DMC-PP-PY-MI-300	1	24	29	35	49	49	50	50	50	50
DMC-PP-PY-MI-500	7	29	35	45	50	50	50	50	50	50
DMC-PP-PY-MI-750	10	32	38	47	50	50	50	50	50	50

PHYSICAL PROPERTIES (in mm)

Model Number	Overall Width	Overall Height	Base Thickness	Tip Height	Tip Base Width	No of Tips	Overall Weight in KG
DMC-PP-PY-MI-300	600 x 600	300	40	260	100	36	1.89
DMC-PP-PY-MI-500	600 x 600	500	60	440	150	16	3.00
DMC-PP-PY-MI-750	600 x 600	750	80	670	200	9	4.38

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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