

DIAMOND  
MICROWAVE  
CHAMBERS LTD



POLYPROPYLENE

mmW

ABSORBERS

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

FOR MILLIMETER WAVE CHAMBERS

////// [www.dmcraf.com](http://www.dmcraf.com)

DMC EPP mmW Absorbers are used in Millimeter wave test chambers for frequency range from 1 GHz to 80 GHz. Excellent performance with low height is ideal for small shielding cabinets

# DMC-PP-mmW

DMC Ultra-premium high performance Polypropylene mmW 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-mmW series millimeter wave absorbers are perfect solution for 5G, mmW testing shielded cabinets

## FEATURES

- Broadband Frequency Range of Operation from 1 GHz to 80 GHz
- Power Handling Capacity of 4.8 kW/m<sup>2</sup> 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
- Long product life with excellent Electrical Performance
- ROHS and REACH compliant

### TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

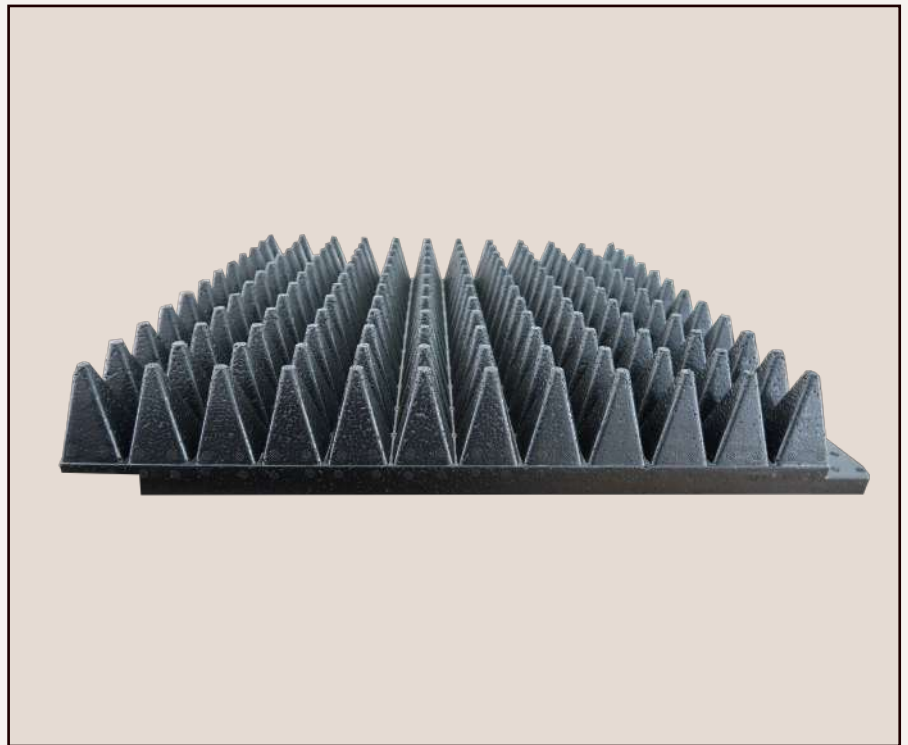
Model Number	1 GHz	3 GHz	6 GHz	10 GHz	18 GHz	40 GHz	60 GHz	80 GHz
DMC-PP-mmW-100	28	32	33	33	33	33	33	33
DMC-PP-mmW-200	30	40	40	50	50	50	50	50

### PHYSICAL PROPERTIES (in mm)

Model Number	Overall Width	Overall Height	Base Thickness	Overall Weight in KG	No of Tips
DMC-PP-mmW-100	600 x 600	100	30	1.24	144
DMC-PP-mmW-200	600 x 600	200	30	1.80	64

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.

# Picture



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