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# DIAMOND MICROWAVE CHAMBERS LTD



WEDGE

**ABSORBERS** 

FOR ANTENNA TEST CHAMBERS

Premium QualityExcellent PerformanceMultiple Color Option

High performance Microwave Wedge Absorbers for Antenna, RADAR, Radome test chambers with wide frequency range of operation from 500 MHz to 100 GHz

# DMC-PU-WG-MI

DMC Polyurethane Wedge Absorbers are mainly used in Antenna test chambers, Compact range and GTEM cells. DMC-PU-WG-MI series microwave wedge absorbers provide excellent performance in normal incidence and off angle incidence in test chamber.



## **FEATURES**

- o Broadband Frequency Range of Operation from 500 MHz to 100 GHz
- o Power Handling Capacity of 1.5 kW/m², 540 V/m CW Radiated Field Strength
- o Fire Retardant as per NRL-8093 tests 1, 2, 3, UL 94 and DIN4102-B2
- o Continuous Working Temperature of up to 90°
- o Made of Environment friendly raw material. It does not emit toxic gas
- Almost zero carbon dust, clean test site and very Low Maintenance required
- Long product life with excellent Electrical Performance

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

Model Number	500	1	3	6	10	18	40	100
1110 0101 1 1011110 01	MHz	GHz						
DMC-PU-WG-MI-200		25	32	35	42	48	50	45
DMC-PU-WG-MI-300		30	38	45	48	50	50	45
DMC-PU-WG-MI-500	20	35	43	50	50	50	50	45
DMC-PU-WG-MI-700	25	40	50	50	50	50	50	45

### PHYSICAL PROPERTIES (in mm)

The series and the series (in thing)											
Model Number	Overall	Overall	Base	Tip Base	No of	Overall					
	Width	Height	Thickness	Width	Tips	Weight in KG					
DMC-PU-WG-MI-200	600 x 600	200	50	100	6	2.88					
DMC-PU-WG-MI-300	600 x 600	300	70	100	6	3.60					
DMC-PU-WG-MI-500	600 x 600	500	75	145	3	5.40					
DMC-PU-WG-MI-700	600 x 400	700	100	200	2	3.76					

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.

# COLOR OPTIONS





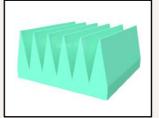




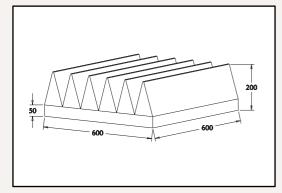


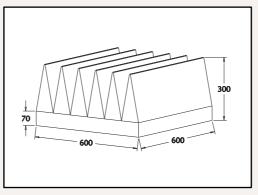


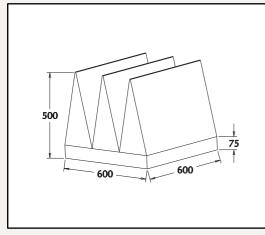


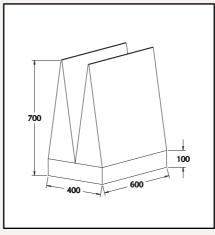


Standard Colors are Blue and Unpainted Black. MOQ 300 pcs for other color options









# DIMENSION



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