

CHENNAI LAB

An ISO 9001:2015 Certified Company

POLYPROPYLENE MICROWAVE ABSORBERS



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

FOR ANECHOIC ANTENNA CHAMBERS

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

Chennailabb 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. C-LABB-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°
- Plug and pull installation, Long product life with excellent Electrical Performance
- 0% toxic gas emission
- Strong mechanical properties of these absorbers need decent amount of pressure to break. It's almost unbreakable in day to day testing activities
- Cleanroom equipment suitable per ISO 14644 Class 5
- 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
C-LABB-PP-PY-MI-100				28	33	33	33	33	33	33
C-LABB-PP-PY-MI-200				30	40	40	50	50	50	50
C-LABB-PP-PY-MI-300	1	24	29	35	49	49	50	50	50	50
C-LABB-PP-PY-MI-500	7	29	35	45	50	50	50	50	50	50
C-LABB-PP-PY-MI-750	10	32	38	47	50	50	50	50	50	50

NOTE : 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 Width	Overall Height	Base Thickness	Tip Height	Tip Base Width	No. of Tips	Overall Weight in Kg
DMC-PP-PY-MI-100	600 x 600	100	30	70	50	144	0.86
DMC-PP-PY-MI-200	600 x 600	200	30	170	75	64	1.39
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

PICTURES