

CHENNAILABBA

An ISO 9001:2015 Certified Company

POLYPROPYLENE FLAT ABSORBERS

➤➤ Premium Quality
Excellent Performance and
Power handling capacity

FOR ANECHOIC CHAMBERS

High performance Expanded Polypropylene Flat absorbers for applying on corners of Anechoic chambers, to cover positioner and for Shielding cabinets.

Chennaiabb premium quality high performance Expanded Polypropylene Flat Absorbers are made of High density carbon impregnated polypropylene material. C-LABB-PP-FLT series microwave flat absorbers are used on Doors, Anechoic chamber corners, RF shielded cabinets.

FEATURES

- Frequency Range of Operation from 1 GHz to 40 GHz
- Power Handling Capacity up to 4.8 kW/m²
- Water resistant per GB/T 4208-2017
- Non-flammable per UL 94 : 2013, DIN 4102
- Made of Environment friendly raw material. It does not emit toxic gas
- ROHS and REACH compliant
- Almost zero carbon dust and clean test site compatible
- Long product life with excellent Electrical Performance

DIMENSION AND WEIGHT

MODEL NUMBER	Overall Length	Overall Width	Thickness	Weight
C-LABB-PP-FLT-40	1200 mm	300 mm	40 mm	1.11 Kg
C-LABB-PP-FLT-100	600 mm	300 mm	100 mm	0.77 Kg

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN - dB

MODEL NUMBER	Thickness	1 GHz	3 GHz	6 GHz	10 GHz	18 GHz	40 GHz
C-LABB-PP-FLT-40	40 mm	15	24	26	29	33	34
C-LABB-PP-FLT-100	100 mm	21	27	28	33	37	39

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.

TEST REPORT

INSTRUMENT USED FOR TESTING			
NAME	Model	Measuring Range	Max Allowable
Receiver	ESV 40	20 Hz - 40 GHz	1.0 dB
Electric Field Probe	FL 7018	3 MHz - 18 GHz	1.29 dB (K=2)
Power Probe	NRP-281	50 MHz - 18 GHz	0.13 dB @ 2 GHz 0.18 dB @ 8 GHz

ENVIRONMENTAL CONDITION			
Temperature	21°C	Humidity	49%

TEST REPORT			
Test Frequency	2 GHz to 8 GHz		
Power Type	Continuous Wave (CW)		
Power Setup	600 V/m	1000 V/m	1350 V/m

TEST RESULT			
Power (CW) 2 GHz	602 V/m or 954 W/m ²	1003 V/m or 2.6 kW/m ²	1353 V/m or 4.8 kW/m ²
Result	Keep Good	Keep Good	Keep Good

TEST RESULT			
Power (CW) 8 GHz	602 V/m or 954 W/m ²	1003 V/m or 2.6 kW/m ²	1353 V/m or 4.8 kW/m ²
Result	Keep Good	Keep Good	Keep Good

PICTURES

CHENNAILABB

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