

CHENNAI LABB

An ISO 9001:2015 Certified Company

POLYSTYRENE HYBRID ABSORBERS



Premium Quality
30+ Years Electrical
Performance

FOR EMC CHAMBERS

Chennailabb Polystyrene Hybrid Absorbers are perfect choice for EMC chambers with impedance matched ferrite tiles for Broadband frequency range of operation from 30 MHz to 40 GHz.

Chennailabb premium quality high performance Polystyrene Hybrid Absorbers are made of molding process and the State-of-the-art carbon synthesis process ensures extremely high uniformity of carbon powder density throughout the absorber. C-LABB-PS-PY-HY series polystyrene hybrid absorbers provide excellent performance in normal incidence and off angle incidence in EMI/EMC test chambers.

➤➤ FEATURES

- Broadband Frequency Range of Operation from 30 MHz to 40 GHz
- Made of molding process, closed cell structure and uniform carbon cell loading provides stable performance throughout product life
- Fire Retardant as per NRL-8093 tests 1, 2, 3, UL94 HF, GB8624-B2
- Maximum Service Temperature up to -50° to 70°
- Humidity 40%- 80%
- Plug and pull installation, Long product life with excellent Electrical Performance
- Cleanroom equipment suitable per class 10000/ ISO 14644 Class 4
- ROHS and REACH compliant
- Up to 30 years of electrical performance

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN - dB

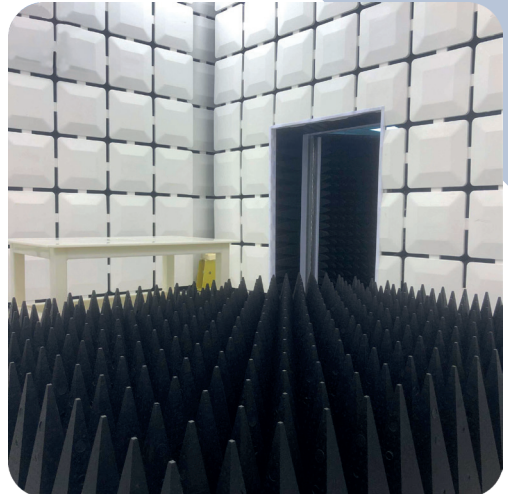
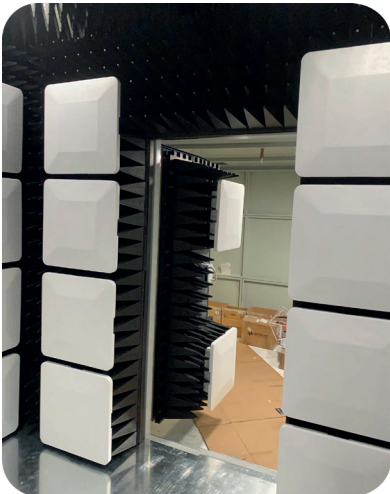
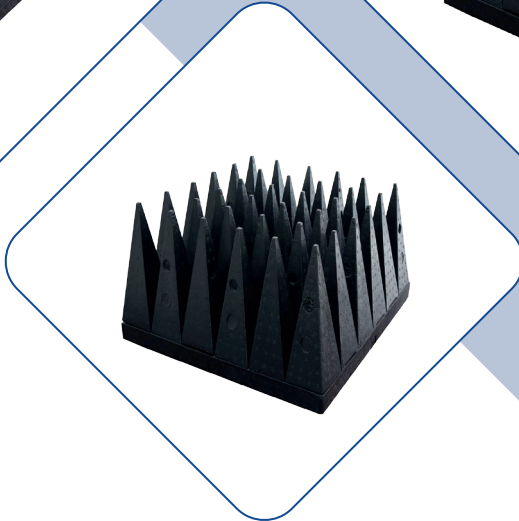
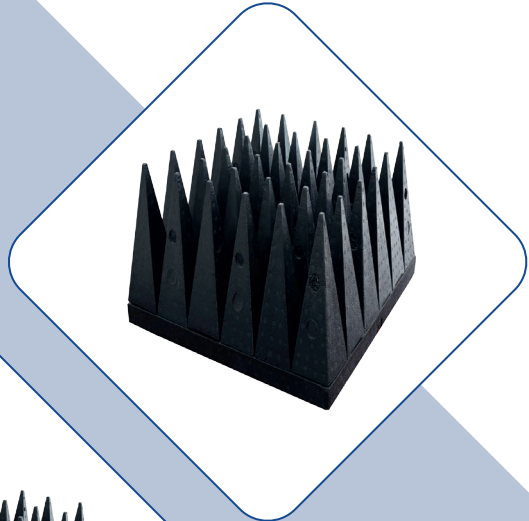
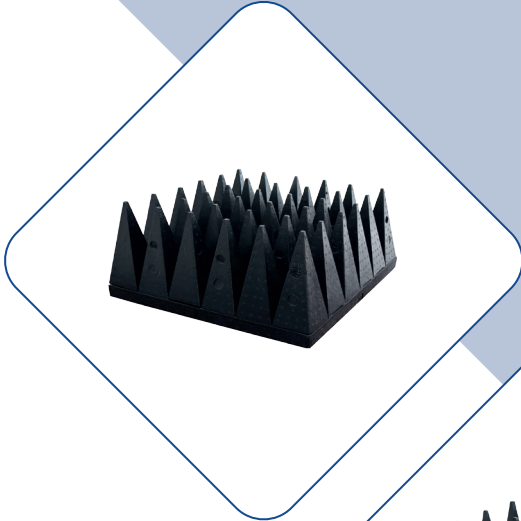
MODEL NUMBER	30 MHz	50 MHz	100 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
C-LABB-PS-PY-HY-300	18	23	25	17	18	18	21	23	30	32
C-LABB-PS-PY-HY-500	20	24	26	19	21	22	25	28	33	35
C-LABB-PS-PY-HY-700	21	25	27	21	24	28	30	36	39	42

PHYSICAL PROPERTIES (in mm)

MODEL NUMBER	Overall Width	Overall Height	No. of Tips	Weight in Kg/m ²
C-LABB-PS-PY-HY-300	600 x 600	300	36	2.00
C-LABB-PS-PY-HY-500	600 x 600	500	16	3.00
C-LABB-PS-PY-HY-700	600 x 600	700	9	4.50

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.

PICTURES



C-LABB-PS-PY-HY SERIES ABSORBERS

CHENNAILABB

No. 19 (Old No.7), Porur Street, East Tambaram,
Chennai- 600 059, India.

+91 97890 53222 / +91 (044) 2239 5939

www.chennailabb.com

sales@chennailabb.com / support@chennailabb.com

chennailab@yahoo.com

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