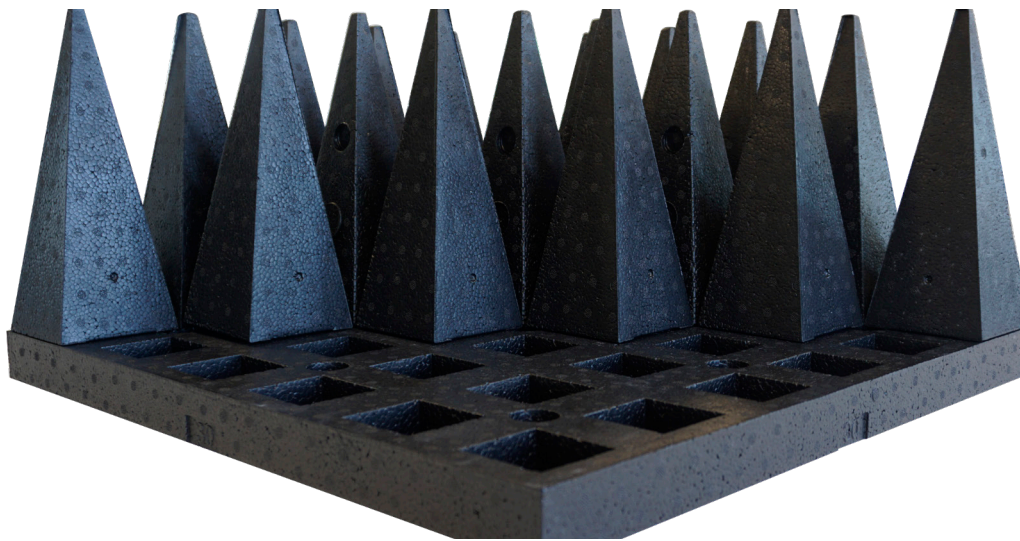




POLYPROPYLENE (PP) BASED HYBRID PYRAMID ABSORBER 3700

Absorber optimized for in EMC chambers



Polypropylene (pp) based hybrid pyramid absorber is a product that is optimized to be used in a EMC chamber and is available in a different range of sizes. Each size has its own reducing factor of electromagnetic waves and can reach when using the 3600 ferrite tiles a broadband operating frequency range starting from 30 MHz and up to 40 GHz.

Due to the carbon powder synthesis technique the pyramids are having a high high uniformity of carbon powder density throughout the absorber. The product has almost no carbon dust, so applicable for clean test sites and it has low maintenance cost.

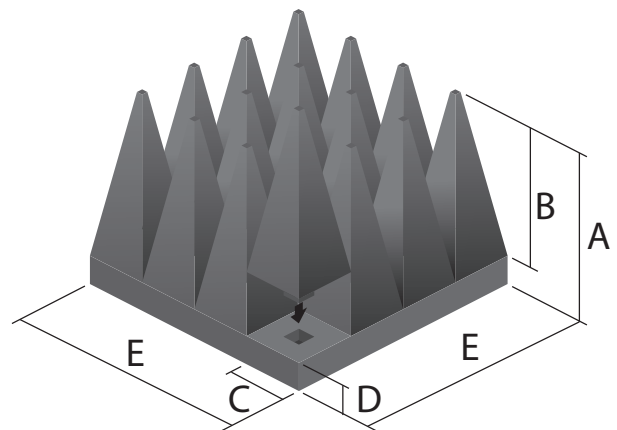
FEATURES

- Polypropylene based hybrid absorber
- Unique carbon powder synthesis technology
- High uniformity of carbon powder density
- Provides repeatable and accurate test results
- Extremely low carbon dust emission
- Outstanding impedance matching with ferrite tiles
- Foam expansion molding manufacture system
- Eco friendly
- Water resistant
- Fire resistant
- light weight material
- Easy installation

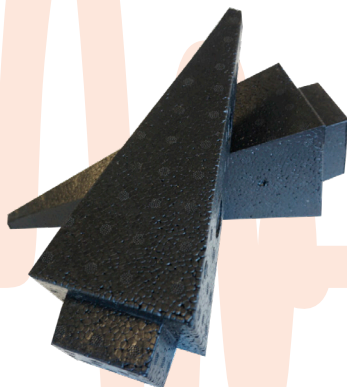
MATERIAL CHARACTERISTICS

Color	Black
Material	Polypropylene (pp)
Shape	Pyramid
Power Handling Capacity	1.5 kW/ m2 or 752 V/m
Max service temperature	100°C
Cleanroom equipment suitability	ISO 14644 Class 4
Fire etardancy	UL94 HBF / DIN 4102 Class B2

TECHNICAL DRAWING



Technical Datasheet



Revision date: 22-06-21

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» POLYPROPYLENE (PP) BASED HYBRID PYRAMID ABSORBER 3700

PHYSICAL PROPERTIES

Partnumber	Weight (kg)	No. of Tips	Type	Absorber Dimensions (mm)				
				A	B	C	D	E
3700-10	0.68 0.17)	144 36)	Single unit	100	70	50	30	600 (300)
3700-20	1.10 0.27)	64 16)	Single unit	200	170	75	30	600 (300)
3700-30	1.60	36	Plug & Pull	300	260	100	40	600
3700-50	2.60	16	Plug & Pull	500	440	150	60	600
3700-75	3.80	9	Plug & Pull	750	670	200	80	600

Due to the characteristics of polypropylene material, the dimensional tolerances of 5mm may be occurred during transportation.

TYPICAL REFLECTIVITY

Part number	30 MHz	50 MHz	100 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	28 GHz	40 GHz
3700-30	-18	-26	-23	-17	-15	-18	-23	-27	-32	-40	-45
3700-50	-19	-26	-23	-19	-20	-25	-28	-36	-43	-45	-50
3700-75	-21	-25	-23	-21	-24	-29	-33	-40	-47	-50	-50