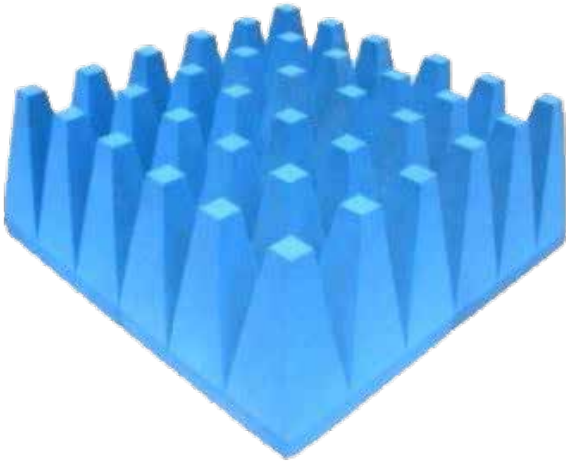




3660 - PU foam based Hybrid absorbers for EMC anechoic chamber



The 3660 series PU foam based Hybrid absorbers product is similar to our standard pyramid absorbers, but having the tips of the pyramids truncated. This saves space in small chambers and provides a more rugged product, eliminating the possibility of tip breakage.

PU foam based Hybrid absorber in an appropriate combination in a EMC anechoic chamber and is an ideal absorber treatment for Immunity Test Chambers (EN 1000-4-3 and equivalent specifications).

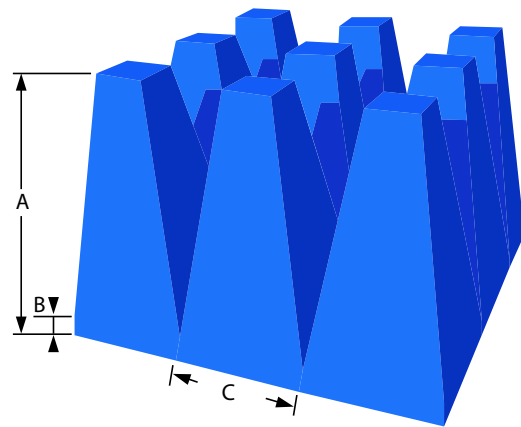
Removing 20% from the tips of pyramid absorbers (low carbon), it is the Truncated absorbers (without tips), which almost has the same performance in low frequency as the pyramid absorbers (with tips); but its performance in high frequency might be slightly declined. The advantage of such absorbers is bringing a larger net space, eliminating the tips droop, and it has a stronger resistance capability against mechanical damage.

Characteristics

- It used to have a truncated appearance (some customers might want to keep the tips)
- it has blue color (more color for optional), it is pliable and flexible
- Working condition:
 - Long-time working temperature: $-50^{\circ}\text{C} \sim 80^{\circ}\text{C}$
 - Relative humidity: $55\% \pm 15\%$
- It must be matched with ferrite tiles, to get a better broadband performance during 30MHz - 18GHz
- There shall be matching design between ferrite tiles layer and absorbers layer, to further develop the bandwidth
- Oxygen index $\geq 29\%$ (GB/T2406-93), which belongs to flame retardant B2 level (GB8624-1997)

- Good environmental performance, all raw materials can meet the environmental requirements, no volatile, no smell and non-toxic.
- Installation method: it generally uses fasteners installation or Velcro installation, which would facilitate the replacement of absorbers and the relocation of chambers. For small anechoic chambers, absorbers can be directly pasted by an environmental protective adhesive.

Schematic diagram of PU foam based EMC absorbers



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Product specification and part numbers

Part number	Base size (mm*mm)	Pyramid quantity per unit	Unit size A*C*B (mm*mm*mm*)	Standard weight (kg/m2)	
3660-P-190	600 x 600	81	190 x 65 x 50	4	
3660-P-300		36	300 x 100 x 60	7	
3660-P-495		16	495 x 145 x 65	11	
3660-P-700		9	700 x 195 x 130	16	
3660-T-305		16	305 x 145 x 72	9	
3660-T-500		9	495 x 195 x 110	10	
3660-T-700		4	710 x 295 x 100	14	
3660-P-1000		300 x 300	1	1000 x 300 x 150	22
3660-T-1000		600 x 600	1	1000 x 300 x 185	28

Reflection loss / Shielding performance

Part number	Reflection loss under vertical incidence (-dB @ GHz)									Power handling capacity kW/m2
	0.03	0.08	0.3	0.5	1	3	6	10	18	
3660-P-190	11	21	15	17	11	10	11	13	15	1.5
3660-P-300	11	21	16	17	11	13	15	20	20	1.5
3660-P-495	12	21	17	19	17	17	20	25	25	1.5
3660-P-700	14	23	20	20	18	20	25	25	30	1.5
3660-T-305	11	20	17	18	15	13	17	22	25	1.5
3660-T-500	13	23	20	20	16	18	22	25	28	1.5
3660-T-700	15	25	21	20	20	20	25	28	30	1.5
3660-P-1000	15	25	25	25	23	22	28	28	35	1.5
3660-T-1000	17	25	25	25	25	30	30	35	40	1.5

These values are measured under laboratory conditions. In your situation results may differ, please read our Guarantee

Please note

- For the data below 500MHz, it is obtained by low-frequency coaxial test method (GJB5239-2004);
- while for the data above 1GHz, it is obtained by far-field RCS test method (GJB2038A-2011)
- The performance data listed in the above table is the guaranteed data, and the measured data would be equal to or better than the guaranteed data.
- The bold part number is a stock item and can be delivered immediately
- Certification: CE ROHS

Order information

When you want to order 3660 PU foam based Hybrid absorbers please specify the part number as follow:

Part number	Type	Height (mm)
3660	T	300
	T : Truncated P : Pyramid	