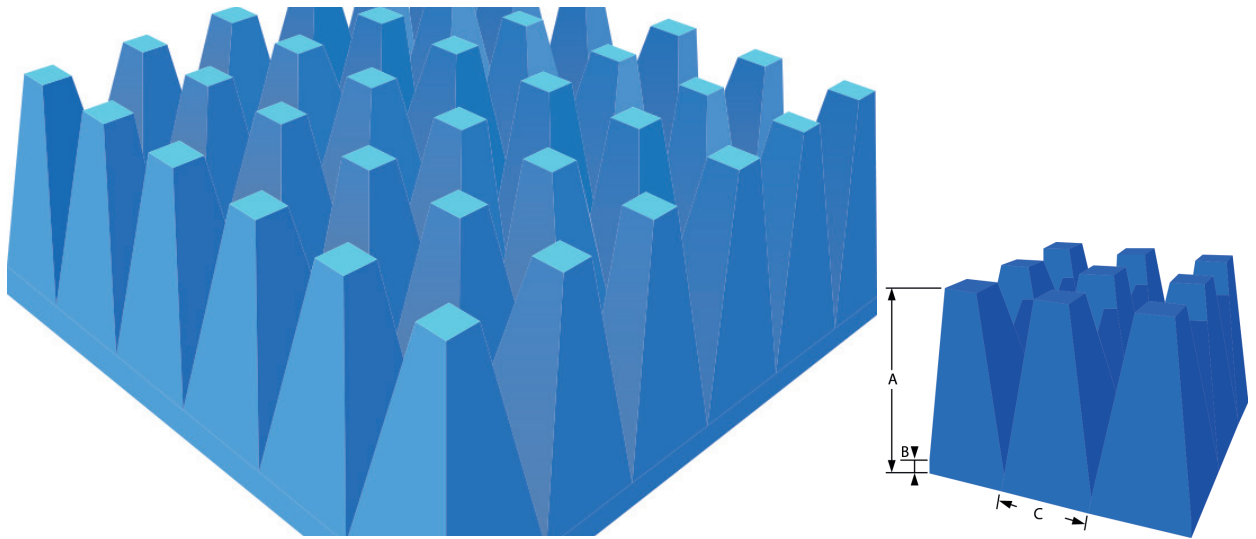


# PU FOAM BASED HYBRID ABSORBERS 3660

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 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.

## PRODUCT SPECIFICATION AND PART NUMBERS

Part number	Base size (mm xmm)	Pyramid quantity per unit	Unit size A x C x B (mm xmm xmm)	Standard weight (kg/m <sup>2</sup> )
3660-P200	600 x 600	81	190 x 65 x 50	4
3660-P300	600 x 600	36	300 x 100 x 60	7
3660-P500	600 x 600	16	495 x 145 x 65	11
3660-P700	600 x 600	9	700 x 195 x 130	16
3660-T300	600 x 600	16	305 x 145 x 72	9
3660-T500	600 x 600	9	495 x 195 x 110	10
3660-T700	600 x 600	4	710 x 295 x 100	14
3660-P1000	300 x 300	1	1000 x 300 x 150	22
3660-T1000	600 x 600	1	1000 x 300 x 185	28

## 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
- It must be matched with ferrite tiles, to get a better broad-band 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.

## WORKING CONDITION:

- Long-time working temperature: -50°C ~ 80°C
- Relative humidity: 55%  $\pm$  15%

## REFLECTION LOSS UNDER VERTICAL INCIDENCE

