

# Rigid Foam Hollow Pyramid Absorber

## Basic Characteristics:

**Product material:**

polystyrene

**Standard color:**

gray and black

**Working temperature:**

-30°C~70°C

**Power capacity:**

700W/m<sup>2</sup>

**Flame retardant performance:**

NRL8093 experiment I, I, III;

GB 8624-2012 Class B2;

DIN 4102-1 B2;

ISO 11925-2 E

**RoHS:**

2011/65/EU

Amendment Directive (EU) 2015/863 Appendix II

**Reach:**

EC 1907/2006

**Service life:**

more than 40 years



## Product features:

It is made of rigid wave-transmitting and flame-retardant foam board as the base material, after wave-absorbing treatment.

The low frequency is close to the PE-SH type, and the high frequency performance is significantly worse.

Lightweight, beautiful, easy to install, and cost-effective.

## Installation Method:

Prefabricated pendant hanging

## Application:

It is used in the ten-meter method EMC electromagnetic compatibility anechoic chamber. Usually use two-meter-high materials.

In the frequency range of 30MHz~18GHz, the normalized field attenuation NSA and field uniformity can meet the requirements.

Can also be used in a three-meter method EMC anechoic chamber with a large building space, etc.

Can use 1.6-meter-high materials: for low-frequency antenna testing anechoic chambers, PE-RH type can also be used.

## Typical Reflectivity:

Model Name	Height (mm)	Weight (kg/m <sup>2</sup> )	Specific frequency (GHz) vertical incidence maximum reflectivity R <sub>w</sub> (-dB)											Size (mm)
			0.03	0.1	0.2	0.3	0.5	1.5	3	5	10	15	40	
PE-RH-1200	1200	16	9	17	25	27	28	30	35	40	40	40	40	400*400
PE-RH-1600	1600	17	17	13	20	25	30	30	35	40	40	40	40	400*400
PE-RH-2000	2000	18	18	15	25	30	35	35	37	40	40	40	40	500*500
PE-RH-2400	2400	20	17	30	33	35	35	37	40	40	40	40	40	600*600