

# EMC Solutions Sectors

## Sound and Vibration Control

IMP0060



### Barrier foam

#### Description.

An impregnated polyurethane foam which will not support combustion, melt or drip. It can provide a fire resistant barrier or sound absorber where the most severe fire resistance, smoke and toxic emission requirements must be met.

#### Specification

##### Flammability properties

BS476 part 5

.....Non-ignition

BS476 part 6

I ..... ≤ 12

I<sub>1</sub> ..... ≤ 6

BS476 part 7

.....Class "I"

BS476 P6 & P7 Building Regulations

.....Class "0"

BS EN ISO 4589-3

. No ignition , tested at 240, 300, 360 and 380 °C

UL94 Classification

.....V0, 94-5V

BS6853: 1987 App. B.5.3

.....A<sub>0(max)</sub> < 5

NES 713

.....< 3.0

##### Physical properties

Standard colour

.....black

Density

BS EN ISO845:1995..... 75 - 100 kgm<sup>-3</sup>

Hardness

BS EN ISO 2439..... 120 - 180 N

Tensile strength

BS EN ISO 1798..... >70 kPa

Elongation at break

BS EN ISO 1798..... >90%

Thermal Conductivity

@ 22 °C..... 0.048 - 0.051 Wm<sup>-1</sup>K<sup>-1</sup>

Erosion resistance

6000 ft/min

Working temperature

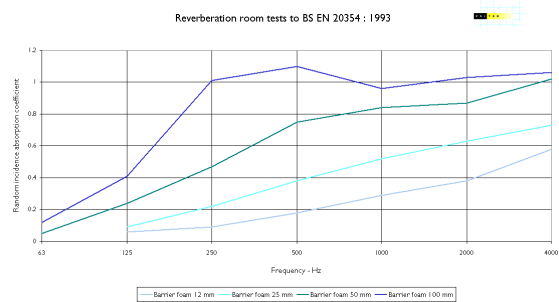
.....-40 - ~+ 110°C

CFC free

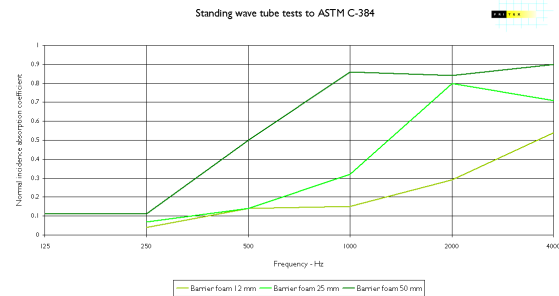
.....yes

#### Acoustic performance

##### Typical random incidence absorption



##### Typical Normal incidence absorption



Acoustic performance is dependent upon material thickness and positioning relative to the noise source. Our acoustics dept. can advise upon the most effective treatment in individual cases

#### Note

Confirmation that individual orders meet additional specifications can be made and certificates of conformity issued if requested.

Product performance can be affected by adverse conditions e.g. contamination. Contact Pritex for advice



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