PSN 017
Refs: IMP0150 IMP0050 IMP0140 IMP0080 IMP0070 IMP0010 IMP0060

Data sheet

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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

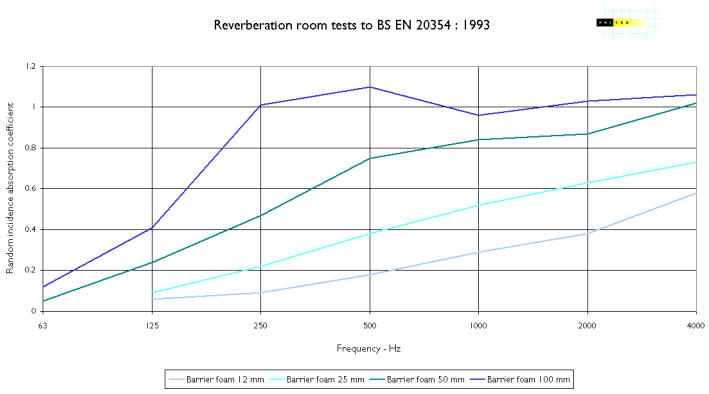
BS476 part 5
.....Non-ignition
BS476 part 6
I .....≤12
I_1 .....≤ 6
BS476 part 7
.....Class "1"
BS476 P6 & P7 Building Regulations
.....Class "0"
BS EN ISO 4589-3
. No ignition , tested at 240, 300, 360 and 380 °C
UL94 Classification
.....V0, 94-5V
BS6853: 1987 App. B.5.3
..... $A_{0(max)}$<5
NES 713
.....<3.0

Physical properties

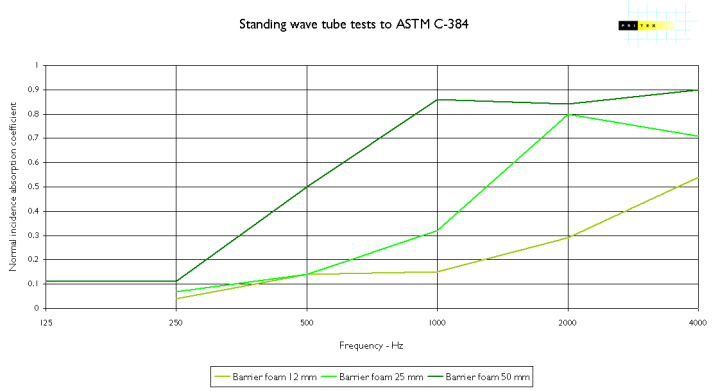
Standard colour
.....black
Density
BS EN ISO845:1995..... 75 - 100 kgm^{-3}
Hardness
BS EN ISO 2439..... 120 - 180 N
Tensile strength
BS EN ISO 1798.....>70 kPa
Elongation at break
BS EN ISO 1798.....>90%
Thermal Conductivity
@ 22 °C.....0.048 - 0.051 $Wm^{-1}K^{-1}$
Erosion resistance
6000 ft/min
Working 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