



AS Rubber & Plastics Limited

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Specification Sheet

AS703 Impregnated PU Foam

Description

AS.703 is a flexible open cell Polyurethane foam post treated with flame retardants, particulate fillers and a polymeric bonding agent, which offers a class "0" non-flammable fire performance and sound absorbing qualities.

Technical Data

Property

Density range:

Tensile strength (Newtons):

Elongation at break:

Erosion Resistance (ASTM C1071)

ASTM D-2020-92 Mildew (Fungus) Resistance

ASTM G21-96 Fungus Resistance Test

ASTM C1104-06 Water Vapour Sorption:

ASTM C518-04 Thermal conductivity:

ASTM C665-95 (Corrosiveness):

CFC Free:

Physical Properties

Value/Unit

>90kg/m³

70 Min.

90% Min.

6,000 ft/min.

Does not support growth

Does not support growth

<9%

0.32 Btu-in./ft²-hrF@6mm

Non-Corrosive

Yes

Flammability Characteristics

BS476 Part 5:

Non-Ignition

BS476 Part 6:

Fpi<12

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Continuation.....

| | |
|--------------------------|--------------|
| BS476 Part 7: | Class "1" |
| BS476 Part 6 + Part 7: | Class "0" |
| ASTM E84-95: | Class "A" |
| UL94 Classification: | 94-V-0 |
| Francais Classification: | M1 |
| Continuous Working Temp: | -30 to 100 C |

Acoustic Performance

RANDOM INCIDENCE SOUND ABSORPTION, BS EN20354: 1993

| FREQUENCY (Hz) | 125 | 260 | 500 | 1000 | 2000 | 4000 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| ABSORPTION COEFFICIENT 25mm Thick | 0.11 | 0.25 | 0.46 | 0.61 | 0.67 | 0.76 |

April 2024