



HIGH SPECIFICATION PRODUCTS

Product Data Sheet

HSP-AF-0 Class '0' Acoustic Foam

Grade

HSP-AF-0

Issue Number

1

Date

1st December 2010

Description: High density, flexible PU foam to Class '0' Building Regs

Uses: Acoustic and thermal insulation in HVAC, construction and many industrial applications

Property

Typical Value

Foam Type

Polyether based Polyurethane
Impregnated with FR flexible latex

Physical Properties

Density (Kg/m ³)	80 Min
Hardness (Newton's)	130 - 180
Tensile Strength (Kpa)Min.	70
Elongation at Brake % Min..	90
Compression Set (MAX)	13%
Erosion Resistance (ASTM C1071)	6,000 ft/min.
ASTM D-2020	Does not support fungal growth
ASTM C553-92 (Water vapour sorption %)	8.1%
ASTM C518-91 (Thermal conductivity, k)	0.364 Btu-in./hr-ft.2-0F
ASTM C665-95 (Corrosiveness)	Non-Corrosive
CFC Free	Yes

Flammability

BS476 Part 5	Non-Ignition
BS476 Part 6	Fpi < 12
BS476 Part 7	Class "1"
BS476 Part 6 + Part 7	Class "0"
ASTM E84-95	Class "A"
UL94 Classification	94V-0, 94-5V.
Continuous Working Temp	-30 to 100 C

Additional Notes:

All HSP Class 0 grades are RoHS compliant

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