

Technical Information Bulletin

Technical Specifications

Material : Irradiation (physically) crosslinked polyolefin foam with factory applied reinforced 9 um aluminium foil and G60 acrylic adhesive backing.

Density : 25 Kg / m³ (foam core only)

Thermal Conductivity: 0.032 W/mK (@ 23oC mean temperature)

Water Vapour Permeability : 8.19 X 10⁻¹⁵ Kg/Pa.s.m
(ASTM E96) (0.029 mg.m/N.h)

Water Vapour Permeance: 3.3 X 10⁻⁴g/M.N.s

Water absorption by volume : After 7 days < 0.7%
(DIN 53428) After 28 days < 0.8%

Permeability Resistance Factor: $\mu > +15,000$

Resistance to fungi: Excellent

Ozone Resistance: Excellent

Noise Reduction Coefficient: 0.15

Operating Temperature : -80° C ~ 100° C

FIRE AND SMOKE BEHAVIOUR

BS 476 part 6 & 7

Class 0



A S E K I S U I C O M P A N Y

ISO 5659-2 (1994) Smoke Density and Toxicity (with gas analysis)

Smoke Density	Dm < 200
Smoke Toxicity	Satisfies max allowable concentrations for the following combustion gases : CO, HCL,HBr,HF, HCN,NOx,SO ₂

AS1530.3 (1989)
Australian Standard

<i>Spread of flame index</i>	0
<i>Heat Evolved Index</i>	0
<i>Ignability Index</i>	0
<i>Smoke Develop Index</i>	0-1

UL 94:

HF-1 (UL listed product)

BS 6853

R= 0.66 (satisfies smoke density & toxicity requirements of BS 6853)