

Data Sheet

Material (Duct insulation sheet):	Irradiation (physically) cross-linked polyolefin foam with factory applied reinforced 9 um aluminium foil and acrylic adhesive backing
Thermal Conductivity:	0.032 W/mK (@ 23°C Mean temperature)
Density:	25 kg/m ³ (foam core only)
Water Vapour Permeability (ASTM E96)	8.19 X 10 ⁻¹⁵ Kg/Pa.s.m (0.029mg.m/N.h)
Water Vapour Permeance:	3.3 X 10 ⁻⁴ g/M.N.s
Permeability Resistance Factor:	μ > 15, 000
Water absorption by volume: (DIN 53428)	After 28 days <0.8%
Operating Temperature:	- 80° C ~ 100°C
Tensile Strength:	MD 263 N/ 50mm, CD 270 N/50mm
Resistance to fungi:	Excellent
Ozone Resistance:	Excellent
Noise Reduction Coefficient:	0.15

FIRE AND SMOKE BEHAVIOUR

BS 476 part 6 & 7; ISO 5659-2 (1994) Class 0

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,SO2

ASTM E84* Complies 25/50 maximum (Thermobreak FSR)

AS1530.3 (1999) Spread of flame index 0

Australian Standard Heat Evolved Index 0

Ignability Index 0

Smoke Develop Index 0-1

UL 94: HF -1 (UL listed product)

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