

TECHNICAL DATA SHEET

FLEXICELL ROLL INSULATION

Product description and typical applications

Manufactured from cross-linked closed cell 25kg/m³ polyethylene foam with a durable foil facing suitable for operating temperatures up to 105°C. The rolls are easily cut with a sharp knife and installation is completed by sealing joints with a reinforced foil tape.

	Value/Assessment	Tested according to
Temperature range		
Max.line temperature	+105°C	DIN EN 14706:2005
Min.line temperature	-80°C	(E)
Thermal conductivity (W/mk) at 23°C	0.032	ASTM C518:2010
Water vapour permeability (g/h.m2)	0	ASTM E96
Water vapour permeance (perms)	0	ASTM E96
Water absorbtion (% by volume)	0.3	BS EN 12087:1997
Fire performance		
Ignitability	0	AS/NZS 1530.3:1999
Spread of Flame	0	
Heat Evolved	0	
Smoke Developed	1	
UV Resistance	Excellent	ASTM G155
Resistance to fungi	Excellent	ASTM B117
Compression set	35.77% (25mm)	ASTM D3574
Resistance to fungi	Excellent	ASTM G21
Resistance to bacteria	Excellent	ISO 22196
Chemical Resistance	Very Good	ASTM C871
Emission (VOC level)	<4 ug/m2/hr	ASTM D5116
Environmental friendly		
Ozone resistance	Excellent	
Ozone Depletion Potential (ODP)	0	
Global Warming Potential (GWP)	<5	
CFC & HCFC, dust, fibres	Free	

Storage life

Can be stored in dry, clean rooms and normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

1 Year for self-adhesive products

Smoke and toxicity		
1. Smoke and toxicity levels	Passed	IMO MSC 61(67)
2. Toxic smoke (R-value)	0.77	BS 6853:1999

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FLEXICELL



✓ Low
Allergen



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