



Flexible Closed Cell EPDM Thermal Insulation Foam

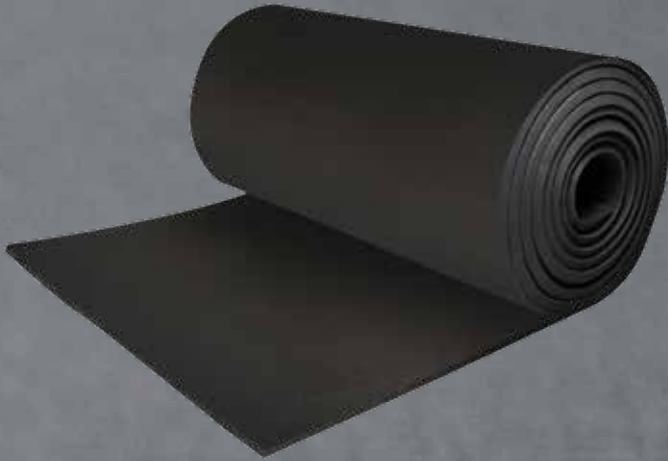




Flexicell® EPDM Tubes

Flexicell® EPDM is a flexible closed-cell EPDM thermal insulation foam designed for various applications in HVAC, plumbing and industrial systems.

Its low thermal conductivity minimizes energy losses and improves overall system efficiency. It also ensures safer and more eco-friendly performance.



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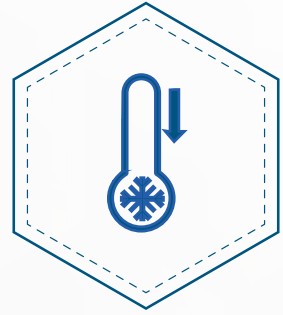


Flexicell® EPDM Sheets



Wide Operating Temperature Range

Designed to perform reliably in both extreme hot and cold conditions from -160 deg C to +150 deg C, Flexicell® EPDM is suitable for cooling and heating systems across diverse industrial applications, ensuring consistent insulation performance over a broad temperature spectrum.



Excellent Thermal Efficiency

With low thermal conductivity and a closed-cell structure, Flexicell EPDM effectively minimizes heat transfer. This ensures long-term energy efficiency and reliable thermal insulation performance.



Fast and Easy Installation

Flexicell EPDM offers excellent flexibility, allowing quick and hassle-free installation even on complex surfaces. Its ease of handling helps reduce installation time and labor effort.



Environmentally Friendly

Flexicell EPDM is a CFC and HCFC free product. It does not contain, nor use in its production, any substances that contribute to Ozone Depletion Potential (ODP). Flexicell EPDM is fibre free and has very low Volatile Organic Compound (VOC) emission level.



Aerofittings

Aerofittings provides pre-fabricated fittings for elbows, tees and other components, custom-made to project requirements for a clean finish and continuous insulation.



TECHNICAL DATA

Description: FlexiCell® EPDM is a black flexible closed- cell elastomeric thermal insulation foam made from EPDM rubber, available in the form of tubes sheets and rolls.

Property	Value/ Assessment	Test Method
Thermal conductivity (at 23 °C)	0.039 W/m.K	ASTM C518
Temperature range Max. line temperature Min. line temperature	-160 °C (-30 °C with PSA*) +150 °C (+80 °C with PSA*)	EN14304
Water vapor diffusion resistance factor	$\mu > 11000$	EN 12086
Water absorption	0.07 kg/m²	EN13472
pH (corrosion potential)	6.9	EN13468
Leachable Chlorides	<50 ppm	EN13468
Dimensional Stability	Passed	EN14304
Reaction to Fire	D-s₃-d₀	EN13501-1
	V-0	UL94
	Class1	BS 476 part7
UV Resistance	Good	ASTM G154
Environment friendly Ozone Depletion Potential Global Warming Potential CFC, HCFC, dust, fibers & asbestos	0 <5 Free	
Storage life: Can be stored for 24 months (12 months with PSA*) from manufacturing date in a dry, clean, dust free room at normal humidity and ambient temperature.	Size availability Tubes thickness Tube ID 9 mm 6mm - 79mm 13-25 mm 6mm - 114mm	
Note: All outdoor applications of FlexiCell® EPDM need to be protected by FlexiCell® approved coating or weather resistant cladding.	Sheet thickness Size 6,9,13,16,19,25,32 mm 1m x 1m Roll thickness Size 6,9,13,16,19,25,32 mm 1 m x 30,20, 14, 12, 10,8,6 m (various lengths depending on thickness) Pressure sensitive adhesive coating options available.	

*PSA - Pressure Sensitive Adhesive

This information, presented by **Hira Industries**, is accurate to the best of our knowledge at the time of publication. All product data is based on average values and should be used as a general guide only. Due to the unique nature of specific applications, results may vary according to individual circumstances beyond the manufacturers control. As our products are subject to constant research and development, **Hira Industries** reserves the right to amend, modify and/or update the content of this publication at any time, without prior notice. Visit flexicell.com.au for more information, technical specifications, installation guidelines and product warranty terms and conditions,

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