

SIREX® PE EV/30

SIREX® PE EV foam is a closed cell, cross-linked EVA copolymer foam available in sheet form. This data characterises EVA copolymer foam grades EV/30 density. The material can be thermoformed into simple and complex shapes.

PROPERTIES	TEST PROCEDURE	UNITS	EV/30
Normal Density	BS ISO 7214 1988	kg/m ³	30
Skin / skin			
Cell Size (Typical diameter)	Internal	mm	0.45
Compression stress – strain	BS ISO 7214 1998		
10% compression		kPa	20
25% compression		kPa	37
40% compression		kPa	67
50% compression		kPa	96
Compression set	BS ISO 7214 1998		
25% comp., 22 hr, 23°C, 1/2 hr recovery	25 mm cell - cell	% set	14
25% comp., 22 hr, 23°C, 24 hr recovery		% set	5
50% comp., 22 hr, 23°C, 1/2 hr recovery		% set	29
50% comp., 22 hr, 23°C, 24 hr recovery		% set	19
Tensile strength	ISO 7214 1998	kPa	615
Tensile elongation		%	190
Tear strength	BS EN ISO 8067 1995	N/m	630
Shore hardness OO Scale	ISO 868 1985	OO	38
10 mm cell/cell thickness			
Recommended operating Temperature range*	Internal	°C	-70 to +65
Thermal conductivity	ISO 8302 1991	W/mK	0.0402
mean temp of 10°C			
Flammability	FMVSS.302 Burn rate	< 100 mm/min.	Pass: 6 mm and thicker
Automotive Horizontal burn rate			
5 mm thick	ISO 7214 1998	mm/sec	1.3
13 mm thick		mm/sec	0.8

** Recommended Operating Temperature Range*

The maximum operating temperature shown is defined as that temperature which will typically cause a linear shrinkage of 5% after a 24 hours exposure period, using a sample with dimensions of 100 x 100 x 25 mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependant on a number of system variables such as sample dimensions, cell size, loading conditions and exposure period.

TECHNICAL INFORMATION

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PRODUCT SPECIFICATION

This product information provides typical properties on representative samples of material.

Any information in this document is presented to our best knowledge. All properties are based on individual values and should be considered as a guideline, not as a specification. They are in no way legally binding. Further are applicable the general terms of payment and delivery of Imbema Holland B.V. and her affiliated companies, in which, among others, has been taken a restriction of liability. They are registered on October 15th, 1982 at the district-court in Haarlem, The Netherlands. These can be sent on demand.



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