



BENEFITS

- Consistent cell size and structure
- Outstanding purity
- Exceptional isotropic physical performance
- Extremely low odour
- Special grade with increased flame-retarding properties

SIREX PE N45 FR

SIREX® PE N45 FR is a closed cell, high-performance crosslinked PE foam. SIREX® PE N45 FR has a very fine and uniform cell structure. SIREX® PE N45 FR is chemically inert, odourless, environmentally friendly, recyclable and free from harmful chemical additives. SIREX® PE N45 FR is delivered in blocks and is on demand also available in sheets at desired thickness, strips, with self-adhesive and much more. Don't hesitate to contact us for additional information regarding the possibilities.



ISMT B.V.
Küppersweg 18
NL - 2031 EC Haarlem



Niederlassung Deutschland
Flughafenstraße 59
D - 70629 Stuttgart



+31 (0)88 018 4900
+49 (0)7154 3091



www.ismt-bv.com
sales@ismt-bv.com



Our documentation, product information, recommendations and price lists have been compiled to the best of our knowledge and ability, and are based on average values and data known at the time of writing. They are not legally binding in any way



TECHNICAL INFORMATION

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Apparent Density Skin/Skin	BS EN ISO 7214:2012	kg/m ³	45 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.4
Compression Stress-Strain 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	88 162
Tensile Strength Tensile Elongation	BS EN ISO 7214:2012	kPa %	449 158
Flammability Aviation	CS 25.853 App. F 1a 1ii FAR 25.853 App. F 1a 1ii		12 second test Pass at 3mm & 12mm
Flammability UL94	UL94 Ed.6		HF1 at 3mm
Compression Set 25% comp., 22hr, 23°C ½ h recovery 24 h recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	8 3
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	2404
Shore Hardness OO Scale	BS EN ISO 868:2003		61
Recommended maximum operating temperature*	Internal	°C	105
Water Absorption	ISO 2896:2001 Ed3.	%	<1
Thermal Conductivity Mean temperature 10 °C	ISO 8301:1991	W/mK	0.038

* RECOMMENDED MAXIMUM OPERATING TEMPERATURE

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. 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.