



### BENEFITS

- Consistent cell size and structure
- Outstanding purity
- Exceptional isotropic physical performance
- Extremely low odour

## SIREX PE N45

SIREX® PE N45 is a closed cell, high-performance crosslinked PE foam. SIREX® PE N45 has a very fine and uniform cell structure. SIREX® PE N45 is chemically inert, odourless, environmentally friendly, recyclable and free from harmful chemical additives. SIREX® PE N45 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  
Ludwig-Herr-Str. 23  
D - 70806 Kornwestheim



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



[www.ismt-bv.com](http://www.ismt-bv.com)  
[sales@ismt-bv.com](mailto:sales@ismt-bv.com)

**TECHNICAL INFORMATION**

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
<b>Apparent Density</b> Skin/Skin	BS EN ISO 7214:2012	kg/m <sup>3</sup>	45 (nominal)
<b>Cell Size (Cell Diameter)</b>	Internal	mm	0.4
<b>Compression Stress-Strain</b> 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	90 163
<b>Tensile Strength</b> <b>Tensile Elongation</b>	BS EN ISO 7214:2012	kPa %	537 155
<b>Flammability</b> <b>Automotive</b>	FMVSS.302 – Burn rate	<100 mm/min	Pass at 6 mm
<b>Compression Set</b> 25% comp., 22hr, 23°C ½ h recovery 24 h recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	8 3
<b>Tear Strength</b>	BS EN ISO 8067:2008 Method B	N/m	2414
<b>Shore Hardness</b> OO Scale	BS EN ISO 868:2003		63
<b>Recommended maximum operating temperature*</b>	Internal	°C	100
<b>Water Absorption</b>	ISO 2896:2001 Ed3.	%	<1
<b>Thermal Conductivity</b> Mean temperature 10°C	ISO 8301:1991	W/mK	0.041

**\* 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.