



BENEFITS

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

SIREX PE N33

SIREX® PE N33 is a closed cell, high-performance crosslinked PE foam. SIREX® PE N33 has a very fine and uniform cell structure. SIREX® PE N33 is chemically inert, odourless, environmentally friendly, recyclable and free from harmful chemical additives. SIREX® PE N33 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.



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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

Sirex®

TECHNICAL INFORMATION

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Apparent Density Skin/Skin	BS EN ISO 7214:2012	kg/m ³	33 (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	66 133
Tensile Strength	BS EN ISO 7214:2012	kPa	419
Tensile Elongation		%	149
Flammability Automotive	FMVSS.302 – Burn rate	<100 mm/min	Pass at 9 mm
Compression Set 25% comp., 22hr, 23°C ½ h recovery 24 h recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	9 4
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1888
Shore Hardness OO Scale	BS EN ISO 868:2003		58
Recommended maximum operating temperature*	Internal	°C	95
Water Absorption	ISO 2896:2001 Ed3.	%	<1
Thermal Conductivity Mean temperature 10°C	ISO 8301:1991	W/mK	0.039

*** 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.