ismt

BENEFITS

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

SIREX PE N24

SIREX® PE N24 is a closed cell, high-performance crosslinked PE foam. SIREX® PE N24 has a very fine and uniform cell structure. SIREX® PE N24 is chemically inert, odourless, environmentally friendly, recyclable and free from harmful chemical additives. SIREX® PE N24 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

kiwa
gecertificeerd
ISO 9001

Sirex®

ismt

TECHNICAL INFORMATION

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Apparent Density Skin/Skin	BS EN ISO 7214:2012	kg/m³	24 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.3
Compression Stress-Strain 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	52 116
Tensile Strength **Tensile Elongation**	BS EN ISO 7214:2012	kPa %	328 123
Flammability **Automotive**	FMVSS.302 – Burn rate	<100 mm/min	Pass at 13 mm
Compression Set 25% comp., 22hr, 23°C ½ h recovery 24 h recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	11 4
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1254
Shore Hardness OO Scale	BS EN ISO 868:2003		50
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	0.036

* 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.

Sirex®