



BENEFITS

- Completely closed cell
- Fine, regular cell structure
- Good mechanical properties
- Excellent thermal insulating
- Permanently elastic
- Minimal water absorption
- Very low water vapour permeability
- Good resistant to most chemicals
- Permanently resilient
- Environmentally friendly
- Non-toxic
- Does not contain CFCs
- Good adhesion

SIREX PE20

SIREX PE20 is a closed-cell chemical cross-linked PE foam with a density of approx. 42 kg/m³. Standard size of a base block is 2000 x 1000 x 110 mm.

PROCESSES AND APPLICATIONS

SIREX PE20 is available in the desired thickness and shape. For example, the following processing techniques can be applied to the material: skiving, laminating, cutting, punching, milling, water-jetting, laser, butt welding, self-adhesive and thermoforming.

Some applications of the SIREX PE20 are:

Industrial gaskets, insulation, boat fenders, (presentation) packaging, cutting – punching parts and water play equipment.



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TECHNICAL INFORMATION

PROPERTIES	NORM	UNIT	VALUE
Thickness	ISO 1923	mm	≥ 105
Length	ISO 1923	mm	≥ 2000
Width	ISO 1923	mm	≥ 1000
Density	ISO 845	kg/m ³	42 ± 5
Cell size	-	mm	≤ 0,35
Elomgation at break	ISO 1926	%	110
Tensile Strength	1926	kPa	248
Compression strength 10% compression 25% compression 40% compression	ISO 844	kPa kPa kPa	65 84 145
Compression Set, 25%, 22 h 0,5 h recovery 24 h recovery	ISO 1856-B	% %	9 3
Shore hardness	-	∞	62
Water Absorption (28 days) vol% water absorption	DIN 53428	%	1
Maximum working temperature	-	°C	100
Thermal conductivity at 10 °C at 40 °C	ISO 2581	W/mK W/mK	0,037 0,040
Flammability thickness 10 mm	ISO 3795	mm/min	≤ 100
Reaction to fire (depending on applications and colours)	UNE 23 727 NF P 92 507		
Surface resistivity (6 months)	UNE 21303	Ω	