

Technical datasheet

Polyurethane foam

Basic information	Specification
Basic elastomer	Polyurethane
Fabric ply	without ply
Description/ features	Due to the open-celled structure the material may be compressed with good mechanical properties at the same time
Format	Sheets: 5 mm available in 16.9 m x 0.4 m 10 mm available in 7.9 m x 0.4 m
Colour	creamy white*

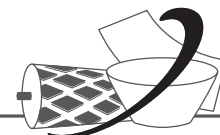
Technical data	Standard term/Specification	Unit	Testing method
Density	0.6	g/cm ³	DIN EN ISO 845 / ASTM D 3574, A / ISO 1885
Shore A	n.a.	°ShA	DIN ISO 7619-1
Tensile strength	> 6.3	N/mm ²	DIN EN ISO 1798 / ASTM D 3574, A / ISO 1798
Elongation at break	> 400	%	DIN EN ISO 1798 / ASTM D 3574, A / ISO 1798
Abrasion	n.a.	mm ³	DIN ISO 4649 method A
Tear strength	> 19.0	N/mm	DIN 53515 / ASTM D 624, C / ISO 34 B (b)
Compression set at 50% compression	< 6	%	DIN EN ISO 1856 / ASTM D 3574: 70h/23 °C (dimension: 50 x 50 x 25 mm)
	< 8	%	DIN EN ISO 1856 / ASTM D 3574: 22h/70 °C (dimension: 50 x 50 x 25 mm)
Compression set at 40% compression	< 25	%	DIN ISO 1856: 22h/80 °C
	< 25	%	DIN ISO 1856: 2h/23 °C
Temperature range	from - 30 to +70	°C	

Resistance	Standard term/Specification
Oil	n.sp.
Fuels	n.sp.
Acids	n.sp.
Alkaline solution	n.sp.
Weather	n.sp.

Legend
⊕ ⊕ = particularly resistant ⊖ = not resistant n.sp. = not specified ⊕ = resistant n.a. = not applicable

Product-related special properties can be tested in our in-house laboratory. If necessary separate standards and testing standards deviating from DIN may be specified.
 *Change in colour possible due to sunlight.

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