

Technical Data Sheet

S 3508a



PO-foam

S 3508a is a flexible closed-cell polyolefin foam (PO).

Technical Data				
Type (S 3508a/...)		6	10	12
Thickness (approximate)	[mm]	6.0 ± 0.5	10.0 ± 0.8	12.0 ± 1.0
Weight (approximate)	[kg/m ²]	0.17 ± 0.02	0.28 ± 0.04	0.34 ± 0.05
Thermal stability	[°C]	100		
Cold resilience	[°C]	- 80		
Heat conductivity ISO 8301 at 10 °C at 40 °C	[W/mK]	0.038 0.042		
Hardness shore A ISO 868-1985		n.s.	10	n.s.
Tensile strength ISO 1926 (at 23 °C)	[kPa]	lengthwise: 260 crosswise: 200	lengthwise: 300 crosswise: 260	
Elongation at break ISO 1926 (at 23 °C)	[%]	lengthwise/ crosswise: 110	lengthwise/crosswise: 120	
Compression resistance ISO 3386-1 (at 50 % compression)	[kPa]	110	120	
Deformation by compression ISO 1856-C (25 % compression)	[%]	n.s.	½ h according to release: 14 24 h according to release: 8.7	
Water absorption ISO 2896	[Vol. %]	< 1		
Combustibility ISO 3795 (corresponds to FMVSS 302 and DIN 75200)	[mm/min]	burn rate < 100		

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Technical Data			
Type (S 3508a/...)		15	25
Thickness (approximate)	[mm]	15.0 ± 1.2	25.0 ± 2.0
Weight (approximate)	[kg/m ²]	0.42 ± 0.06	0.7 ± 0.1
Thermal stability	[°C]	100	
Cold resilience	[°C]	- 80	
Heat conductivity ISO 8301 at 10 °C at 40 °C	[W/mK]	0.038 0.042	
Tensile strength ISO 1926 (at 23 °C)	[kPa]	lengthwise: 290 crosswise: 260	
Elongation at break ISO 1926 (at 23 °C)	[%]	lengthwise/crosswise: 120	
Compression resistance ISO 3386-1 (at 50 % compression)	[kPa]	120	
Deformation by compression ISO 1856-C (25 % compression)	[%]	½ h according to release: 14 24 h according to release: 8.4	
Water absorption ISO 2896	[Vol. %]	< 1	
Combustibility ISO 3795 (corresponds to FMVSS 302 and DIN 75200)	[mm/min]	burn rate < 100	

Main function: Heat insulation

Applications: Mechanical engineering, plant engineering, vehicle cabs, impact protection

Processing: Mechanical attachment
 Adhesive with fluid glue
 Processing temperature: 18 - 25 °C

Storage conditions: Dry at temperatures between 18 - 25 °C
 Max storage time: 6 months

Delivery forms: Rolls, width 1,550 mm, (S 3508a/10, S 3508a/15, S 3508a/25),
 Standard boards, 1,550 x 2,000 mm (S 3508a/6, S 3508a/10, S 3508a/12,
 S 3508a/15, S 3508a/25),
 other sizes and cut-to-size pieces upon request.

The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.