

Technical Data Sheet

S 3500a/-AL100



S 3500a/-AL100 is a closed-cell polyethylene-foam (PE-foam), laminated with a coarse-grained aluminium foil (thickness approx. 100 µm).

Technical Data				
Type (S 3500a/...)		5-AL100	10-AL100	15-AL100
Thickness (approximate)	[mm]	5.0 ± 0.5	10.0 ± 0.5	15.0 ± 0.5
Weight (approximate)	[kg/m ²]	0.2 ± 0.1	0.36 ± 0.1	0.53 ± 0.1
Thermal stability	[°C]	90 (dry)		
Cold resilience	[°C]	- 50		
Heat conductivity DIN 52 616	[W/mK]	0.034 (PE-foam)		
Absorption of water (7 days)	[%]	< 1 (PE-foam)		
Combustibility FMVSS 302	[mm/min]	burn rate < 100		

Technical Data				
Type (S 3500a/...)		20-AL100	25-AL100	30-AL100
Thickness (approximate)	[mm]	20.0 ± 0.5	25.0 ± 0.5	30.0 ± 0.5
Weight (approximate)	[kg/m ²]	0.69 ± 0.1	0.86 ± 0.1	1.0 ± 0.1
Thermal stability	[°C]	90 (dry)		
Cold resilience	[°C]	- 50		
Heat conductivity DIN 52 616	[W/mK]	0.034 (PE-foam)		
Absorption of water (7 days)	[%]	< 1 (PE-foam)		
Combustibility FMVSS 302	[mm/min]	burn rate < 100		

- Main function:** Heat insulation
- Applications:** Rail vehicles, mechanical engineering, plant construction, vehicle cabs, impact protection
- Processing:** Mechanical attachment
 Adhesion with liquid glue
 Processing temperature: 18 - 25 °C
- Storage conditions:** Dry at temperatures between 18 - 25 °C
 Max storage time: unlimited
- Delivery forms:** Standard boards 2,000 x 1,000 mm untrimmed,
 other sizes and cut-to-sizes 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.