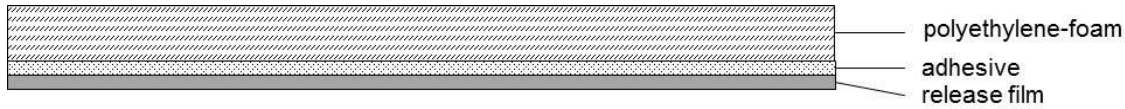


Technical Data Sheet

S 3500



S 3500 is a closed-cell polyethylene-foam (PE-foam).
 Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data				
Type (S 3500/...)		5	10	15
Thickness (approximate)	[mm]	5.0	10.0	15.0
Weight (approximate)	[kg/m ²]	0.49 ± 0.1	0.65 ± 0.1	0.82 ± 0.1
Thermal stability	[°C]	90 (dry)		
Cold resilience	[°C]	- 50		
Heat conductivity DIN 52 616	[W/mK]	0.034		
Hardness shore A		10		
Compression resistance ISO 844 at 25 % compression	[kPa]	54 - 79		
Compression set ISO 1856 22 h / 23°C / 25 %	[%]	17 5	0.5 h after reduction in pressure 24 h after reduction in pressure	
Elongation at break ISO 1798	[%]	127		
Tensile strength ISO 1798	[kPa]	201		
Absorption of water (7 days)	[%]	< 1		
Combustibility FMVSS 302	[mm/min]	burn rate < 100		
Burning behaviour DIN 4102-1		B2		
Burning behaviour UL 94		HBF		
Burning behaviour EN 13501-1		E		

Technical Data Sheet

S 3500

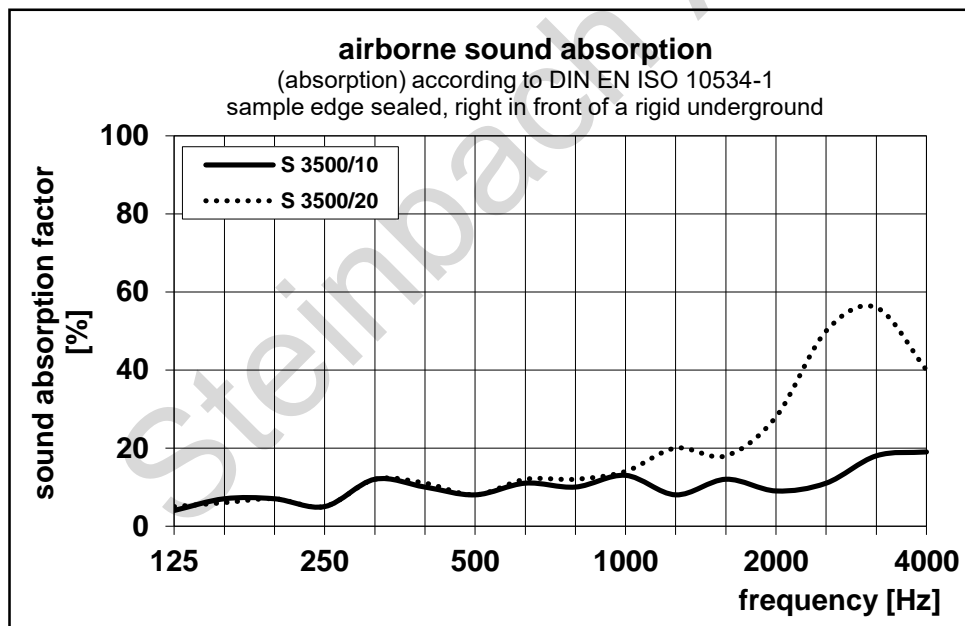
Technical Data				
Type (S 3500/...)		20	25	30
Thickness (approximate)	[mm]	20.0	25.0	30.0
Weight (approximate)	[kg/m ²]	0.98 ± 0.1	1.15 ± 0.1	1.3 ± 0.1
Thermal stability	[°C]	90 (dry)		
Cold resilience	[°C]	- 50		
Heat conductivity DIN 52 616	[W/mK]	0.034		
Hardness shore A		10		
Compression resistance ISO 844 at 25 % compression	[kPa]	54 - 79		
Compression set ISO 1856 22 h / 23°C / 25 %	[%]	17 5	0.5 h after reduction in pressure 24 h after reduction in pressure	
Elongation at break ISO 1798	[%]	127		
Tensile strength ISO 1798	[kPa]	201		
Absorption of water (7 days)	[%]	< 1		
Combustibility FMVSS 302	[mm/min]	burn rate < 100		
Burning behaviour DIN 4102-1		B2		
Burning behaviour UL 94		HBF		
Burning behaviour EN 13501-1		E		

Technical Data				
Type (S 3500/...)		35	40	50
Thickness (approximate)	[mm]	35.0	40.0	50.0
Weight (approximate)	[kg/m ²]	1.48 ± 0.1	1.64 ± 0.1	1.97 ± 0.1
Thermal stability	[°C]	90 (dry)		
Cold resilience	[°C]	- 50		
Heat conductivity DIN 52 616	[W/mK]	0.034		
Hardness shore A		10		
Compression resistance ISO 844 at 25 % compression	[kPa]	54 - 79		
Compression set ISO 1856 22 h / 23°C / 25 %	[%]	17 5	0.5 h after reduction in pressure 24 h after reduction in pressure	
Elongation at break ISO 1798	[%]	127		
Tensile strength ISO 1798	[kPa]	201		
Absorption of water (7 days)	[%]	< 1		
Combustibility FMVSS 302	[mm/min]	burn rate < 100		
Burning behaviour DIN 4102-1		B2		
Burning behaviour UL 94		HBF		
Burning behaviour EN 13501-1		E		

Technical Data Sheet

S 3500

Main function:	Heat insulation
Applications:	Mechanical engineering, plant construction, vehicle cabs, impact protection
Processing:	The surface must be carefully cleaned from dust, grease, oil and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll. Processing temperature: 18 - 25 °C
Storage conditions:	Dry at temperatures between 18 - 25 °C Max storage time: 6 months
Delivery forms:	Standard boards 1,000 x 2,000 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.