

Technical Data Sheet

S 3406a



thermoplastic
plastic heavy foil

S 3406a is a flexible thermoplastic plastic heavy foil, composed by polymers and filled with minerals.

Technical Data				
Type (S 3406a/...)		2.0	2.85	5.75
Thickness (approximate)	[mm]	2.0 ± 0.3	2.85 ± 0.4	5.75 ± 0.5
Weight (approximate)	[kg/m ²]	3.5 ± 0.2	5.0 ± 0.2	10.0 ± 0.5
Thermal stability	[°C]	+80		
Cold resilience	[°C]	-15		
Hardness Shore A		85		
Tensile strength	[N/mm ²]	> 1.0		
Elongation at break ISO 37	[%]	> 100		
Airborne sound reduction Rw	[dB]	23 22 32	3.5 kg/m ² weight 5 kg/m ² weight 10 kg/m ² weight	
Combustibility FMVSS 302 DIN 75200	[mm/min]	< 100		
Burning behaviour		Bs1d2 (Flame direct to material) Bs1d0 (Between 2 plasterboards)		
EN 13501		passed		
UL94 V-2		passed		
DIN EN 45545-2 (02/2022) *only applies to S 3406a/2.85*		flame spread CFE	R1, HL2	
		rate of heat emission MARHE	R1, HL2	
		smoke density	R1, HL2	
		smoke toxicity CIT _G	R1, HL2	

Main function: Structure-borne sound insulation (anti-drumming)

Applications: Vehicle industry, railway traffic, building sector

Processing: Mechanical attachment
 Adhesive with fluid glue is possible, after preliminary tests by the user
 Processing temperature: 18 - 25 °C

Option: Also available as self-adhesive equipment

Storage conditions: Dry at temperatures between 18 - 25 °C
 Max storage time: 12 months

Delivery forms: Standard boards 1,000 x 1,200 mm,
 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.