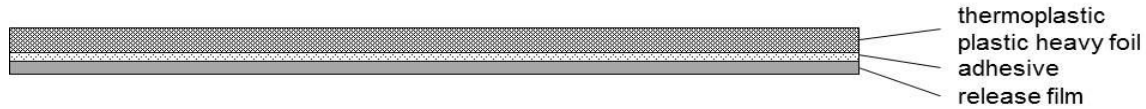


# Technical Data Sheet

# S 3404



S 3404 is a flexible thermoplastic plastic heavy foil based of unvolcanized synthetic rubber, filled with minerals and with plasticizers.

Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data				
Type (S 3404/...)		2.1	3.3	5.0
Thickness (approximate)	[mm]	2.1 ± 0.2	3.3 ± 0.3	5.0 ± 0.5
Weight (approximate)	[kg/m <sup>2</sup> ]	5.0 ± 0.2	8.0 ± 0.2	12.0 ± 0.4
Thermal stability	[°C]	+80		
Cold resilience	[°C]	-30		
Loss factor DIN 53440 D <sub>220 Hz</sub> on 1mm steel sheet at -20°C - +40°C		0.04 - 0.17 0.06 - 0.27 0.08 - 0.30	5 kg/m <sup>2</sup> weight 8 kg/m <sup>2</sup> weight 12 kg/m <sup>2</sup> weight	
Hardness Shore A		80 ± 5		
Tensile strength DIN 53504	[N/mm <sup>2</sup> ]	≥ 2.0		
Elongation at break DIN 53504	[%]	≥ 30		
Edge tear strength ASTM D624-81	[N/cm]	≥ 250		
Airborne sound reduction index R <sub>w</sub> according to ISO 717-1	[dB]	25 29 32	5 kg/m <sup>2</sup> weight 8 kg/m <sup>2</sup> weight 12 kg/m <sup>2</sup> weight	
Weight increase per dm <sup>2</sup>	[g]	water super fuel euro norm Diesel	approx. 0.2 approx. 7.0 approx. 0.5	
Resistance against liquids DIN 53521		one-side exposure - 4h at room temperature		
Combustibility FMVSS 302 DIN 75200	[mm/min]	passed		

## Technical Data Sheet

## S 3404

Burning behaviour		
DIN 5510-2		flammability class S4 smoke emission class SR2 dripping behaviour class ST2
NF X 70-100:2006 NF X 10-702:1995 NF X 16-101:1988		F1 - passed
DIN EN 45545-2 (09/2021)	flame spread CFE rate of heat emission MARHE smoke density smoke toxicity CIT <sub>G</sub>	R1, HL2 R1, HL2 R1, HL2 R1, HL2
EN ISO 4589	PN-K-02511 PN-K-02512	P1 R1
DIN 4102		B2 - passed
EG 95/28	annex IV annex V	passed
UL94 V0		passed

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

**Applications:** Vehicle industry, railway traffic, building sector

**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

**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 1,000 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.