

DATA SHEET

soni 1116 ALG SK

- ▶ **soni 1116 ALG SK** is a two-component material for heat protection and acoustic insulation: The heat-resistant surface layer is made from a high-quality aluminum foil and reliably reflects heat radiation. The bottom layer consists in a quilted glass fiber mat, which is responsible for the heat insulation effect as well as for the sound-insulation properties.
- ▶ Simply use a carpet knife to cut **soni 1116 ALG SK** to the required size and shape. The optional self-adhesive rear face facilitates the installation of the panels.



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200) ▶ ISO 3795, burning rate < 100 mm/min ▶ EN 45545-2: requirements R1, HL 3 fulfilled ▶ ECE R-118, annexes 6, 7 and 8 fulfilled
TEMPERATURE RESISTANCE	<ul style="list-style-type: none"> ▶ -40°C to +600°C (with mechanical fixation) ▶ -40°C to +120°C (without mechanical fixation))
THERMAL CONDUCTIVITY / EN 12667	<ul style="list-style-type: none"> ▶ ≤ 0.037 W/(m·K) at -10°C ▶ ≤ 0.038 W/(m·K) at 0°C ▶ ≤ 0.039 W/(m·K) at +10°C ▶ ≤ 0.041 W/(m·K) at +20°C

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
1116 ALG SK	4.0 +2 / -1	1000 X 500 ± 5	400 g
	7.0 +3 / -1	1000 X 500 ± 5	800 g

ADVICE

- ▶ For the application of all self-adhesive materials, the supporting surface has to be clean, dry and free from grease, oil, dust, solvents, and other release agents.

BENEFITS

- ▶ High temperature resistance
- ▶ Very high heat insulation effect
- ▶ The aluminum foil completely prevents the penetration of dust, water, oil or other pollutants
- ▶ The low weight makes handling and processing easy

APPLICATIONS

- ▶ Our **soni 1116 ALG SK** is optimally suited for use in the hot zones of vehicles and machines. When mechanically fixed, the acoustically effective insulation mat withstands temperatures of up to 600°C.
- ▶ The aluminum surface doubles as barrier preventing the penetration of oil, water and fuel. The material meets the fire safety standards for the automotive industry as set down in FMVSS 302 and DIN 75200.



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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