



DATA SHEET



GLASS FIBER

CELLO® 1116 ALG

The white glass-fiber mat laminated with a temperature-resistant aluminum foil is an ideal two-layer combination material for heat insulation and sound proofing. The surface layer consists of a top-quality aluminum foil for the effective reflection of heat radiation. The quilted glass-fiber mat forming the lower layer is responsible for both thermal and acoustic insulation.

Applications: In high-temperature areas of construction and farm machinery, machine construction, cabins/casings/hoods, buses/utility vehicles, rail vehicles



TECHNICAL DATA

FLAMMABILITY



- ▶ FMVSS 302, DIN 75 200: fulfilled
- ▶ ISO 3795: burning rate < 100 mm/min
- ▶ ECE R-118: annexes 6, 7 and 8 fulfilled (SK, 4-13 mm)
- ▶ EN 45545-2 2020: R1 + R7 + R17, HL 3 fulfilled (SK, 4-13 mm)

TEMPERATURE RESISTANCE

- 40°C to +600°C (with mechanical fixation)
- 40°C to +120°C (without mechanical fixation)

THERMAL CONDUCTIVITY | EN 12667

- ≤ 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

WEIGHT

- 4.0 mm: 800 g/m²
- 7.0 mm: 1600 g/m²
- 13.0 mm: 2900 g/m²

TIGHTNESS | ECE R-118.01, ANNEX 9

Diesel, oil and water coming into contact with the surface cannot seep into the mat.

DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
1116 ALG	4.0	+2 / -1	1600 X 1250 or 2100 X 1250
	7.0	+3 / -1	
	13.0	+3 / -3	

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

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MORE INFORMATION

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

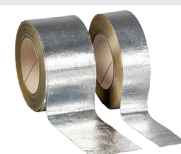
OPTIONS

- NK: no self-adhesive equipment
- SK: with self-adhesive finish

ADVICE



For sealing trimmed edges, we recommend our adhesive tape Cello® ALU-01, tested acc. to EN 45545-2: R1 + R7 + R17, HL 3 fulfilled.
Cello® ALU-01 adhesive tape: water vapor tightness as per ISO 15106-3 fulfilled



SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

ISO 9001 CERTIFIED

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