

CELLO® F1000 FR ALG-01

Mottled dark grey non-woven that scores with excellent fire performance and is laminated with a corrosion-resistant aluminum foil (0.1 mm).

Applications: Rail vehicles, shipbuilding



TECHNICAL DATA

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|--|---|
| FLAMMABILITY | <ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ EN 45545-2 2013: requirement R1, HL 3 fulfilled (≥ 10 mm) ▶ IMO FTPC, PART 5¹⁾ flame-retardant (10-50 mm) |
| TEMPERATURE RESISTANCE | <ul style="list-style-type: none"> -50°C to +100°C -50°C to +150°C (except for a potential change of dimensions) |
| THERMAL CONDUCTIVITY / EN 12667 | ≤ 0.034 W/(m·K) at 10°C |
| DENSITY OF NON-WOVEN / DIN EN 29073-1 | 24 kg/m ³ ± 10% |

¹⁾The surface material with low flame-spread characteristics must not be applied to pipes, pipe coverings or cables. EC-Type Examination (Module B), Certificate No. 118.277; U.S. Coast Guard Approval No. 164.112/EC0736/118.277

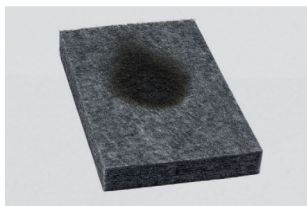
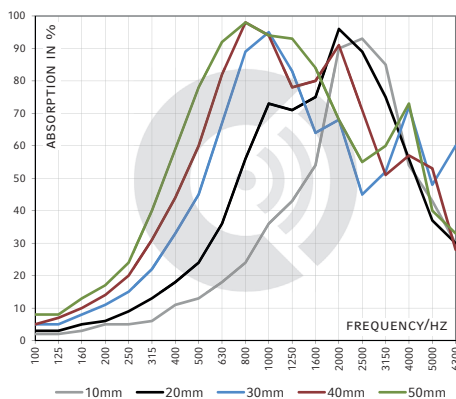
DIMENSIONS

| PRODUCT | THICKNESS [mm] | THICKNESS TOLERANCE / DIN EN ISO 9073-2 | SHEETS* [mm] |
|-----------------|--------------------|---|--------------|
| F1000 FR ALG-01 | 10, 20, 30, 40, 50 | ± 10%, at 10 mm: ± 25% | 2100 x 1250 |

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.).

IMPEDANCE TUBE / DIN 10 534-2



Flammability test:
after 60 s of exposure
> 1000°C

| | |
|-----------------|--|
| BENEFITS | <ul style="list-style-type: none"> ▶ Does not melt or form hot drops in case of fire ▶ Very good protection against water splashes ▶ The aluminum foil protects the material against the penetration of liquids, ensuring that the product meets the highest hygiene requirements ▶ Does not provide a substrate for mold and fungal growth ▶ Excellent sound absorption values |
| ADVICE | <ul style="list-style-type: none"> ▶ Sheets must be stored in vertical position ▶ For sealing trimmed edges or covering joints and seams, we recommend our Cello® adhesive tape ALU-01 |

