

CELLO® PIPE INSULATION

Cello® PIPE INSULATIONS are made from an oil- and water-repellent polyester non-woven (mottled dark-grey). The outer surface is laminated with aluminum foil or polyester film.

The very good hydrolysis stability and UV resistance of the materials used for **Cello® PIPE INSULATION** provides for excellent aging stability.

Applications: Heat insulation and general protection of pipes in utility vehicles, rail vehicles, HVAC systems, production facilities etc.



PRODUCT DESCRIPTION

PRODUVT	SURFACE	BENEFITS
800 HO 91-02	Black polyester film. Temperature resistance of the film: up to +120°C	Scores with a very robust and at the same time highly flexible and elastic film coating.
800 HO ALG-04	Aluminum foil with embedded scrim for additional tensile strength. Temperature resistance of the foil: up to +200°C	Besides extra robustness, the aluminum foil provides excellent heat reflection.
800 HO 95	Aluminized polyester film (glossy silver) Temperature resistance of the film: up to +185°C	Besides extra robustness, the aluminized polyester film provides excellent heat reflection.

TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, in-house test fulfilled ▶ ECE R-118, annexes 6 and 8 fulfilled (PIPE 800 HO 91-02, 800 HO ALG-04) ▶ ECE R-118, annexes 6, 7 + 8 fulfilled (PIPE 800 HO 95); Flame propagation: 0 mm/min ▶ DIN CEN/TS 45545-2, requirement R1, HL3 fulfilled (PIPE 800 HO ALG-04)
TEMPERATURE RESISTANCE	-40°C to +100°C
THERMAL CONDUCTIVITY PES NON-WOVEN / EN 12667	≤ 0.037 W/(m·K) at 10°C
DENSITY PES NON-WOVEN / DIN EN 29073-1	24 kg/m ³ ± 10%
TIGHTNESS / ECE R-118.01, ANNEX 9	Diesel, oil and water coming into contact with the surface cannot seep into the insulation.
THICKNESS OF INSULATION LAYER	10 mm. Other thicknesses on request.
FOR DIAMETERS OF PIPE	12, 15, 18, 22, 28, 35, 38, 42 and 50 mm. Other diameter on request.
ELONGATION OF FILM COATING / DIN EN ISO 527-3/2/200	Minimum 700% (PIPE 800 HO 91-02)

- BENEFITS**
- ▶ Very high flexibility allows easy mounting also around pipe bends etc.
 - ▶ Foil surface prevents the penetration of liquids. No fungal or mold growth.
 - ▶ Aluminum facing ensures compliance with highest hygienic requirements (PIPE 800 HO ALG-04)
 - ▶ Excellent insulation values ensure high energy savings
 - ▶ High shape stability
 - ▶ Oil-, water- and fuel-dense surface

- ADVICE**
- ▶ For sealing trimmed edges, we recommend:
for 800 HO 91-02: Cello® adhesive tape PUR-01
for 800 HO ALG-04: Cello® adhesive tape ALU-04

