

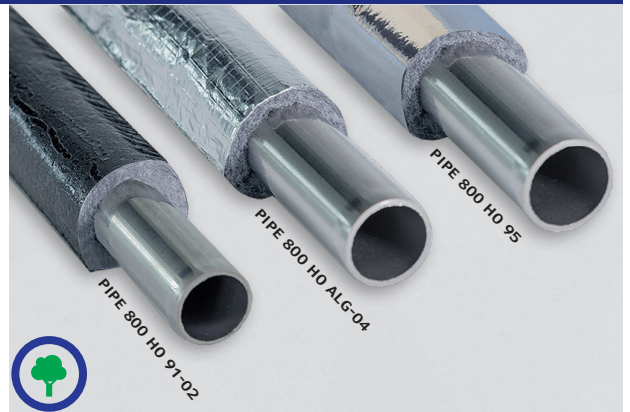


CELLO® PIPE INSULATION

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 buses/utility vehicles, rail vehicles, HVAC systems, production facilities, motorboats/yachts etc.



Completely recyclable

PRODUCT DESCRIPTION

PRODUCT	SURFACE	BENEFITS
800 HO 91-02	Black polyester film.	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.	Besides extra robustness, the aluminum foil provides excellent heat reflection.
800 HO 95	Metallized polyester film (glossy silver)	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, 7 + 8 fulfilled (≥ 13 mm) (PIPE 800 HO 91-02) ▶ ECE R-118, annexes 6, 7 + 8 fulfilled (10 mm) (PIPE 800 HO 95) ▶ Flame propagation: 0 mm/min ▶ DIN CEN/TS 45545-2, requirement R1, HL 3 fulfilled (PIPE 800 HO ALG-04) ▶ DIN EN ISO 9094: oxygen index (OI) of at least 21% fulfilled (PIPE 800 HO ALG-04)
TEMPERATURE RESISTANCE	-50°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 \pm 10%
TIGHTNESS	ECE R-118, annex 9 fulfilled: material repels fuels and lubricants (PIPE 800 HO 95)
PRESSURE WATER-JETTING	Based on DIN EN ISO 16925 fulfilled
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)

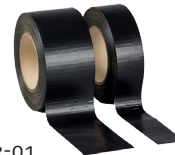


BENEFITS

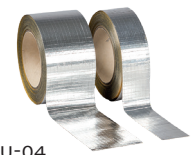
- ▶ Very high flexibility allows easy mounting also around pipe bends etc.
- ▶ Foil surface prevents the penetration of liquids. No fungal or mold growth.
- ▶ Aluminum facing ensures compliance with highest hygienic requirements (PIPE 800 HO ALG-04)
- ▶ Excellent insulation values ensure high energy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

ADVICE

- ▶ For sealing trimmed edges and more or less flat joints, we recommend in case of:
 - » PIPE 800 HO 91-02: Cello® adhesive tape PUR-01
 - » PIPE 800 HO ALG-04: Cello® adhesive tape ALU-04
- Adhesive tape ALU-04 tested acc. to EN 45545-2, meets requirements R1 + R7 + R17, HL 3



PUR-01



ALU-04