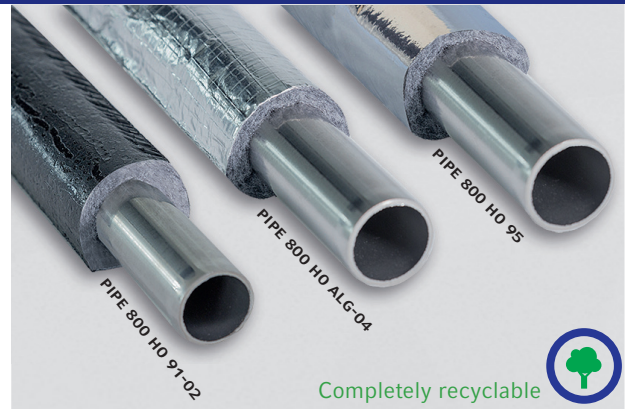


## CELLO® PIPE INSULATION

**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
<b>800 HO 91-02</b>	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.
<b>800 HO ALG-04</b>	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.
<b>800 HO 95</b>	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

<b>FLAMMABILITY</b>	<ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200, in-house test fulfilled</li> <li>▶ ECE R-118, annexes 6 and 8 fulfilled (PIPE 800 HO 91-02, 800 HO ALG-04)</li> <li>▶ ECE R-118, annexes 6, 7 + 8 fulfilled (PIPE 800 HO 95); Flame propagation: 0 mm/min</li> <li>▶ DIN CEN/TS 45545-2, requirement R1, HL3 fulfilled (PIPE 800 HO ALG-04)</li> </ul>
<b>TEMPERATURE RESISTANCE</b>	-40°C to +100°C
<b>THERMAL CONDUCTIVITY PES NON-WOVEN / EN 12667</b>	≤ 0.037 W/(m·K) at 10°C
<b>DENSITY PES NON-WOVEN / DIN EN 29073-1</b>	24 kg/m³ ± 10%
<b>TIGHTNESS / ECE R-118.01, ANNEX 9</b>	Diesel, oil and water coming into contact with the surface cannot seep into the insulation.
<b>THICKNESS OF INSULATION LAYER</b>	10 mm. Other thicknesses on request.
<b>FOR DIAMETERS OF PIPE</b>	12, 15, 18, 22, 28, 35, 38, 42 and 50 mm. Other diameter on request.
<b>ELONGATION OF FILM COATING / DIN EN ISO 527-3/2/200</b>	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

