



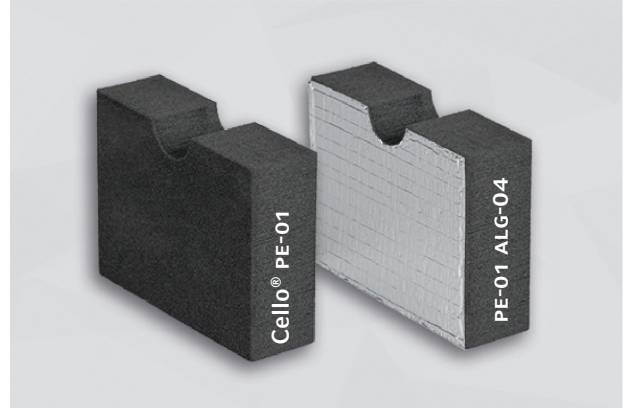
CELLO® PE • CELLO® PE-01 • CELLO® PE-01 ALG-04

Cello® PE: Polyethylene foam with closed-cell cross-linked structure, for thermal insulation purposes.

Cello® PE-01: Same as Cello® PE, but available in higher thicknesses. 3D-precut parts also available.

Cello® PE-01 ALG-04: Same as Cello® PE-01, but additionally laminated with an aluminum foil with scrim reinforcement for enhanced tear resistance. Especially suitable for use in rail vehicles.

Applications: Buses/utility vehicles, cabins/casings/hoods, rail vehicles (PE-01 ALG-04)



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ ECE R-118, annexes 6, 7 and 8 fulfilled (3 mm) (PE SK) ▶ ECE R-118, annexes 6 and 7 fulfilled (PE-01) ▶ EN 45545-2: requirement R1, HL 3 fulfilled (≥ 5 mm) (PE-01 ALG-04)
TEMPERATURE RESISTANCE	-40°C to +100°C
THERMAL CONDUCTIVITY / EN 12667	≤ 0.036 W/(m·K) at 10°C
DENSITY / DIN EN ISO 845	33 ± 2 kg/m ³
TENSILE STRENGTH / ISO 1926	min. 174 kPa (PE-01)
HARDNESS SHORE 00 / ISO 7619	54 (PE-01)
WATER ABSORPTION	Cello® PE: < 1 Vol. % (in-house test) Cello® PE-01: < 1 Vol. % (DIN 53428) Cello® PE-01 ALG-04: < 1 Vol. % (DIN 53428)



DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]	ROLLS* [mm]
PE	3, 5	± 0.5	as required	width: 1500
PE-01	5-90	up to 50 ± 1,5	1000 X 2000	not available
PE-01 ALG-04		more than 50 ± 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.).

MORE INFORMATION

BENEFITS	<ul style="list-style-type: none"> ▶ Closed-cell ▶ Low moisture absorption ▶ Low weight ▶ Effortless to cut with a cardboard cutter ▶ The aluminum foil prevents the penetration of dust and liquids into the foam (PE-01 ALG-04) ▶ Reflection of heat radiation (PE-01 ALG-04)
OPTIONS	NK: no self-adhesive equipment SK: with self-adhesive finish
ADVICE	For sealing the edges of PE-01 ALG-04, we recommend our adhesive tape Cello® ALU-04. Adhesive tape tested acc. to EN 45545-2, meets requirements R1 + R7 + R17, HL 3

