



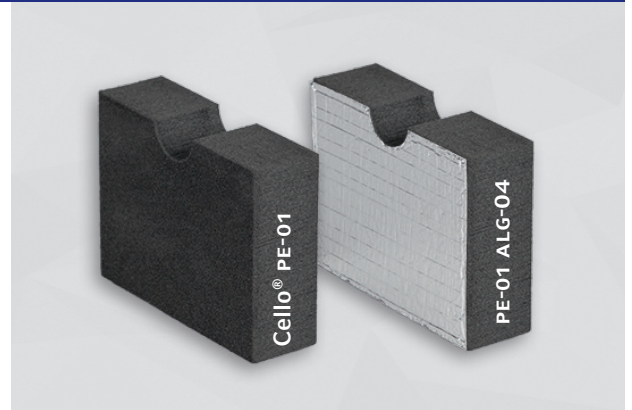
## CELLO® PE | CELLO® PE-01 | CELLO® PE-01 ALG-04

**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	PE	PE-01	PE-01 ALG-04
▶ FMVSS 302, DIN 75200	fulfilled	fulfilled	fulfilled
▶ ISO 3795	burning rate < 100 mm/min	burning rate < 100 mm/min	burning rate < 100 mm/min
▶ EN 45545-2 	not tested	not tested	R1 + R7 + R17, HL 3 fulfilled (SK, ≥ 5 mm)
▶ ECE R-118	annexes 6, 7 + 8 fulfilled (SK, 3 + 5 mm)	annexes 6, 7 + 8 fulfilled (SK, 5 mm) annexes 6 + 7 fulfilled (NK, ≥ 13 mm)	not tested
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/m³		
TENSILE STRENGTH	ISO 1926: min. 174 kPa (PE-01)		
HARDNESS SHORE OO	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 PE-01 ALG-04	5-90	up to 50 ± 1.5 more than 50 ± 3	1000 X 2000	not available

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**
- ▶ Closed-cell, therefore 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 trimmed edges, we recommend for PE-01 ALG-04 adhesive tape Cello® ALU-04, tested acc. to EN 45545-2: R1 + R7 + R17, HL 3 fulfilled

