

💿 CELLOFOAM

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 (sк, 3 + 5 mm)	annexes 6, 7 + 8 fulfilled (SK, 5 mm) annexes 6 + 7 fulfilled (NK, \geq 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/m ³			
TENSILE STRENGTH	ISO 1926: min. 174 kPa (PE-01)			
HARDNESS SHORE 00	ISO 7619: 54 (PE-01)			
WATER ABSORPTION		I. % (in-house test) I. % (DIN 53428) I. % (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 \pm 1.5 more than 50 \pm 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 INFORM	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		
	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		

SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

ISO 9001 CERTIFIED

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