



## CELLO® PE-20 | PE-20 ALG-04

**Cello® PE-20 ALG-04:** Polyethylene foam with closed-cell cross-linked structure, for thermal insulation purposes. To prevent shrinkage of the product, **Cello® PE-20 ALG-04** is laminated with a robust aluminum foil with scrim reinforcement.

The aluminum foil also serves as a convection barrier and reflects heat radiation.

**Cello® PE-20:** Same PE-20 ALG-04 but without aluminum foil

Uses: For floors and floor-to-wall transition surfaces in rail vehicles (PE-20 ALG-04), utility vehicles, machine construction, construction and farm machinery



### TECHNICAL DATA

<b>FLAMMABILITY</b>	<ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> <li>▶ EN 45545-2: R1 + R7 + R17, HL 3 fulfilled (PE-20 ALG-04, ≥ 20 mm)</li> <li>▶ ECE R-118: annexes 6, 7 and 8 fulfilled (PE-20 ALG-04, ≥ 20 mm)</li> </ul>
<b>TEMPERATURE RESISTANCE</b>	-40°C to +100°C
<b>THERMAL CONDUCTIVITY</b>	EN 12667: ≤ 0.036 W/(m·K) at 10°C
<b>DENSITY PE FOAM</b>	DIN EN ISO 845: 20 ± 3 kg/m³
<b>WATER ABSORPTION</b>	< 1 Vol. % (DIN 53428)



### DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]	ROLLS* [mm]
PE-20	20, 30, 40, 50	up to 50 ± 1,5	1500 X 2100	not available
PE-20 ALG-04				

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

<b>BENEFITS</b>	<ul style="list-style-type: none"> <li>▶ Closed-cell surface prevents the penetration of moisture into the insulation material</li> <li>▶ Low moisture absorption</li> <li>▶ Eco-friendly: The reduced weight of the solution saves natural resources as well as energy</li> <li>▶ High value for your money</li> <li>▶ Low heat shrinkage thanks to the aluminum foil surface (PE-20 ALG-04)</li> <li>▶ The aluminum foil also reflects heat radiation and prevents heat convection (PE-20 ALG-04)</li> </ul>
<b>OPTIONS</b>	<p>NK: no self-adhesive equipment            SK: with self-adhesive finish</p>
<b>ADVICE</b>	<p>For sealing trimmed edges, we recommend for PE-20 ALG-04 adhesive tape Cello® ALU-04, tested acc. to EN 45545-2: R1 + R7 + R17, HL 3 fulfilled</p>

