## **DATA SHEET**



## **CELLO® AEROGEL PRO**

Cello®AEROGEL PRO is a highly efficient, hydrophobic and flexible material for thermal insulation. Its low thickness of only 5 mm resp. 7 mm makes Cello®AEROGEL PRO the perfect solution wherever a lack of space makes it impossible to use conventional thermal insulation materials.

Unlike the usual, commercially available aerogel products, Cello® AEROGEL PRO is equipped with a special protective layer to prevent the material from releasing dust particles. The protective layer combines two materials for additional advantages: an aluminum foil on top for effective reflection of thermal radiation, and a black film below that makes the surface oil-, water- and fuel-repellent.



TECHNICAL DATA	
FLAMMABILITY	► FMVSS 302, DIN 75 200, fulfilled ► ISO 3795, burning rate < 100 mm/min
TEMPERATURE RESISTANCE	-40°C to +200°C (with mechanical fixation) -40°C to +150°C (without mechanical fixation)
THERMAL CONDUCTIVITY/ GB/T 10294-2008	≤ 0.020 W/(m·K) at 10°C
WEIGHT AEROGEL	5 mm: 1.000 g/m <sup>2</sup> 7 mm: 1.400 g/m <sup>2</sup>

DIMENSIONS			
PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
AEROGEL PRO	5, 7	± 0.5	1500 X 1250

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

<sup>\*</sup>Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

MORE INFORMATION	
BENEFITS	► High temperature resistance
	► Very good thermal insulation
	► No absorption of humidity
	<ul> <li>The combination of aluminum foil and black film protects the product against the penetration and accumulation of dust, water, oil, etc.</li> <li>Easy handling thanks to its low weight</li> </ul>
OPTIONS	AEROGEL PRO NK: no self-adhesive equipment
or rioks	AEROGEL PRO SK: Self-adhesive backing for additional ease of installation. Not for permanent fastening.
ADVICE	For sealing trimmed edges, we recommend our adhesive tapes Cello® ALU-01 Adhesive tape tested acc. to EN 45545-2, meets requirements R1 + R7 + R17, HL 3 Cello® ALU -01 adhesive tape: water vapor tightness as per ISO 15106-3 fulfilled

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