



## CELLO® SILICONE

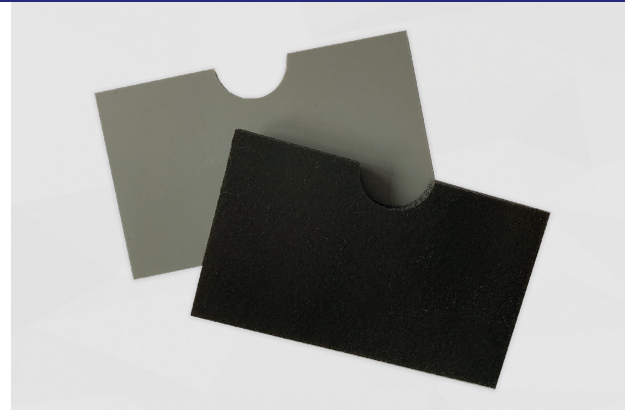
Cello® SILICONE is a sealing material with very good heat and chemical stability.

The high-temperature resistant silicone foam scores with a long service life and very good resistance to adverse weather conditions and UV radiation.

Cello® SILICONE is available in 2 variants:

- » SILICONE SOFT ▶ color: black
- » SILICONE MEDIUM ▶ color: grey

Applications: Construction and farm machinery, machine construction, medical technology, rail vehicles



### TECHNICAL DATA

	SILICONE SOFT	SILICONE MEDIUM
<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: 2013 + A1: 2015 requirement R22, HL 3 fulfilled (25 mm, NK)* requirement R10, HL 3 fulfilled (3-9 mm, NK)</li> <li>▶ UL 94, V-0</li> </ul>	<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: 2013 + A1: 2015 requirement R22, HL 3 fulfilled (25 mm, NK)* requirement R10, HL 3 fulfilled (3-9 mm, NK)</li> <li>▶ UL 94, V-0</li> </ul>
<b>TEMPERATURE RESISTANCE</b>	-55°C to +200°C	-55°C to +200°C
<b>THERMAL CONDUCTIVITY</b>	≤ 0.06 W/(m·K) at 10°C (EN 12667)	≤ 0.08 W/(m·K) at 10°C (EN 12667)
<b>DENSITY</b>	200 ± 30 kg/m <sup>3</sup> (ASTM D 1056)	370 ± 30 kg/m <sup>3</sup> (ASTM D 1056)
<b>TENSILE STRENGTH</b>	≥ 300 kPa (ASTM D412-16)	≥ 300 kPa (GB/T 528-2009)
<b>COMPRESSION HARDNESS</b>	25%: 20 ± 5 kPa (ASTM D 1056)	25%: 65 ± 10 kPa (ASTM D 1056)
<b>ELONGATION AT BREAK</b>	≥ 90% (ASTM D412-16)	≥ 80% (GB/T 528-2009)
<b>WATER ABSORPTION</b>	≤ 5% (Q/ZLZ031-2016)	≤ 5% (Q/ZLZ031-2016, internal test)
<b>COMPRESSION SET</b>	≤ 5,0 % at 100°C (ASTM D 1056)	≤ 5,0 % at 100°C (ASTM D 1056)
<b>SHORE HARDNESS 00</b>	30	56



\* Further tests can be commissioned if the turnover is adequate.

### DIMENSIONS

PRODUCT	THICKNESS [mm]	ROLLS*	SHEETS*	WIDTH TOLERANCES READY-MADE PIECES
SILICONE SOFT	3, 10 ± 10%	Length: 10 m / width: 950 mm	1200 x 900 mm	up to 250 mm +/-3 mm
SILICONE MEDIUM	2, 6 ± 10%	For 10 mm SOFT: Length: 5 m / width: 480 mm	For 10 mm SOFT: 1200 x 480 mm	250 up to 1000 mm +/-5 mm 1000 up to 2000 mm -5/+10 mm

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>▶ Excellent sealing effect</li> <li>▶ High temperature resistance</li> <li>▶ High ozone and weather resistance</li> <li>▶ Good resistance against chemicals</li> <li>▶ AdBlue-resistant</li> </ul>
<b>OPTIONS</b>	<ul style="list-style-type: none"> <li>▶ SILICONE NK: no self-adhesive equipment</li> <li>▶ SILICONE SK: with self-adhesive finish (only sheets and ready-made pieces)</li> </ul>
<b>ADVICE</b>	<ul style="list-style-type: none"> <li>▶ Materials with self-adhesive layers offer a temperature resistance of max. 100°C in the bond line.</li> <li>▶ Under thermal load, the material may shrink by up to 5%.</li> </ul>