



Technical data sheet

CMC TYPE	CMC 75001
Product description	CMC 75001 is a skived PTFE film in a thickness of 100 µm, one side etched for high surface tension. Outstanding chemical resistance combines with a continuous service temperature of up to 260°C and excellent release properties of the non-etched side.
Colour	grey (PTFE side), brown (etched side)

The following table is a copy from our supplier's data sheet:

TYPICAL PROPERTIES		TEST METHOD
Surface Tension (Etched surface) (mN/m)	≥ 45	Droplet test
Filler content (% by weight)	None	-
Density** (g/cm ³)	2.13-2.19	DIN EN ISO 1183-1
Tensile strength** (N/mm ²)	≥ 25	DIN EN ISO 527 v=50mm/min, microtensile die
Elongation** (%)	≥ 280	DIN EN ISO 527 v=50mm/min, microtensile die
Surface finish (micron)	Rt ≤ 10	-
Ball indentation hardness 132/60** (N/mm ²)	> 23	DIN EN ISO 2039-1 Thickness min. 4mm
Hardness "Shore D"***	> 54	DIN EN ISO 868
Coefficient of linear thermal expansion* (°C)		
• 25-100°C	1.25 x 10 ⁻⁴	DIN 53752
• 25-150°C	1.36 x 10 ⁻⁴	
• 25-200°C	1.90 x 10 ⁻⁴	
Coefficient of friction***	0.12 to 0.05	-

* Raw material manufacturer data

** Standard values according to ISO 13000 PTFE semi finished products grade 1, (perpendicular to moulding direction)

*** Dependent upon pressure and speed

Other properties	RoHS compliant ✓ REACH compliant ✓
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Storage conditions: cool and dry (15 - 25°C, < 65% rel. humidity)

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Quality guarantee: 12 months

The technical data are average values and subject to change without notice. They are not intended to replace user's testing.

Note on REACH: Some of our products do contain substances from the so-called candidate list. Please visit <https://en.cmc.de/page/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.