



PTFE Carbon Fiber

85% PTFE
15% Carbon Fiber

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	--	50 – 65	Sh. D.
Tensile strength (23°C)	ASTM D638	20 – 45	N/mm ²
Elongation at break (23°C)	ASTM D638	200 – 450	%min
Tensile modulus	ASTM D638	392	N/mm ²
Coëff. of friction – statical	--	0,15 – 0,30	--
Physical properties			
Water absorption	ASTM D570	0,0	%
Deformation after 24h at 23°C – 15N/mm ²	ASTM D621	7	%
Thermal properties			
Maximum Continuous operating temperature	--	250	°C
Minimum Continuous operating temperature	--	-200	°C

Disclaimer: Information contained in this data sheet is up-to-date and correct as at the date of issue. The given information is only informative and we cannot guarantee the accuracy nor can we take any accountability for the use of this information. The customer is responsible for the quality of products and has to test usage and processing to use. Some values are based on the datasheet of the supplier, internal tests and research. The values are guideline values that can be used for comparison for material selection.