



PTFE Graphite

75% PTFE
25% Graphite

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	--	62 +/- 3	Sh. D.
Tensile strength (23°C)	ASTM D4894	16	N/mm ²
Elongation at break (23°C)	ASTM D1457 DIN 53455	100 – 240	%min
Diametric shrinkage	--	2,0 +/- 0,5	%
Physical properties			
Specific gravity	ASTM D4894	2,15 +/- 0,03	g/cm ³
Water absorption	ASTM D570	0,01	%
Deformation after 24h at 23°C – 15N/mm ²	ASTM D621	8,10	%
Deformation after 24h at 260°C – 4N/mm ²	ASTM D621	16	%
Compr. strength at 1% deformation (23°C)	ASTM D695	7,3	N/mm ²
Electrical properties			
Dielectric strength	ASTM D149	1 – 2	KV/mm
Thermal properties			
Maximum Continuous operating temperature	--	250	°C
Minimum Continuous operating temperature	--	-200	°C
Maximum operating temperature	--	375	°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.