



PTFE Modified Glass-Fiber

85% Modified PTFE

15% Glass-Fiber

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	DIN/ISO 868	59	Sh. D.
Ball pressure hardness	DIN/ISO 2039 part 1	31	N/mm ²
Tensile strength (23°C)	DIN/ISO 527-3	20	N/mm ²
Elongation at break (23°C)	DIN/ISO 527-3	400	%min
Tensile modulus	DIN/ISO 527-3	--	N/mm ²
Diametric shrinkage	ASTM D4894	2,2	%
Volume resistivity	IEC 60093	10 ¹⁶	Ωcm
Physical properties			
Specific gravity	DIN/ISO 12086	2,21	g/cm ³
Electrical properties			
Dielectric strength	DIN/ISO 12086	11 – 12	KV/mm
Thermal properties			
Thermal conductivity (23°C)	DIN 52 612	0,22	W/K.m
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.