



PTFE Bronze

40% PTFE
60% Bronze

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	ASTM D2240	64 – 68	Sh. D.
Ball pressure hardness	ASTM D785	>30	N/mm ²
Tensile strength (23°C)	ASTM D638	14,7 – 27,5	N/mm ²
Elongation at break (23°C)	ASTM D638	120 – 280	%min
Coëff. of friction – statical	--	0,06	--
Coëff. of friction v-steel – dynamic	--	0,12	--
Volume resistivity	ASTM D257	10 ⁷	Ωcm
Physical properties			
Specific gravity	ASTM D792	3,05 – 3,15	g/cm ³
Water absorption	ASTM D570	0,0	%
Deformation after 24h at 23°C – 15N/mm ²	ASTM D621	7,60	%
Deformation after 24h at 260°C – 4N/mm ²	ASTM D621	12,40	%
Compr. strength at 1% deformation (23°C)	ASTM D695	9	N/mm ²
Electrical properties			
Dielectric strength	ASTM D149	Conductive	KV/mm
Thermal properties			
Thermal conductivity (23°C)	ASTM C177	0,55	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.