



PTFE Turquoise

Properties	Norm	Value	Unit
Mechanical properties			
Bulk Density	ASTM D4894	600	g/l
Hardness shore D	ASTM D2240	48 – 58	Sh. D.
Ball pressure hardness	ISO 2032 N132	58 – 62	N/mm ²
Tensile strength (23°C)	ASTM D4745-11	Min. 18	N/mm ²
Elongation at break (23°C)	ASTM D4745-12	Min. 145	%min
Coëff. of friction – statical	ASTM D1894	0,070 – 0,10	--
Coëff. of friction v-steel – dynamic	ASTM D1894	0,060 – 0,080	--
Diametric shrinkage	--	3,5 +/- 0,5	
Volume resistivity	--	1,00 ¹⁸	Ωcm
Physical properties			
Specific gravity	ASTM D792	1,91 +/- 0,2	g/cm ³
Water absorption	ASTM D570	0,010	%
Deformation after 24h at 23°C – 15N/mm ²	ASTM D621	5,0 – 6,4	%
Electrical properties			
Dielectric strength	ASTM D149	20 – 70	KV/mm
Thermal properties			
Thermal conductivity (23°C)	ASTM C177	0,240	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.

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Date: 01-02-2019
Version: B