



ETFE

Properties	Norm	Value	Unit
Mechanical properties			
Hardness shore D	DIN 53 505	62 – 72	Sh. D.
Ball pressure hardness	DIN 53 456	34 – 40	N/mm ²
Tensile strength (23°C)	DIN 53 455	36 – 48	N/mm ²
Elongation at break (23°C)	DIN 53 455	200 – 350	%min
Tensile modulus	DIN 53 457	500 – 1200	N/mm ²
Coëff. of friction v-steel – dynamic	--	0,40	--
Physical properties			
Specific gravity	--	1,74 – 1,80	g/cm ³
Water absorption	DIN 53 495	0,02	%
Electrical properties			
Dielectric strength	DIN 53 481	60 – 90	KV/mm
Thermal properties			
Coefficient of thermal expansion (20-100°C)	--	13	1/K.10 ⁻⁵
Thermal conductivity (23°C)	DIN 52 612	0,17	W/K.m
Maximum Continuous operating temperature	--	150	°C
Minimum Continuous operating temperature	--	-100	°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.