

TECHNICAL DATA SHEET

25% Glass

(75% Virgin PTFE + 25% Glass fiber)

Property	Method	Units	Specification
Physical			
Specific gravity	ASTM D4884	g/cm ³	2.230 – 2.260
Mechanical			
Tensile strength	ASTM D4894	MPa	≥ 13
Elongation	ASTM D4894	%	≥ 180
Hardness	ASTM D2240	Shore D	≥ 60
Compression strength at 1% deformation		MPa	≥ 9
Deformation under load (140 Kg/cm ² for 24 hrs At 23 °C)	ASTM D621	%	9 - 11
Permanent deformation (after 24 hrs. Relaxation at 23 °C)	ASTM D621	%	5.0 – 6.5
Coefficient of static friction	ASTM D1894		0.17 – 0.19
Coefficient of dynamic friction	ASTM D1894		0.15 – 0.17
Thermal			
Coefficient of linear thermal expansion from 25 to 100 °C	ASTM D696	10 ⁻⁵ /°C	
25 a 100° C			7.7 – 11.2
25 a 150° C			8.5 – 11.6
25 a 200° C			9.5 – 12.6
25 a 250° C			11.5 – 15.1
Service Temperature		°C	-200 / +260
Electrical			
Volume resistivity	ASTM D257	Ohm.cm	10 ¹⁵

