



# 40% Glass PTFE Datasheet

Typical properties of 40% glass-filled PTFE:

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/cm <sup>3</sup>	2.250 - 2.290
Tensile strength	ASTM D4894	MPa	≥ 10
Elongation	ASTM D4894	%	≥ 100
Hardness	ASTM D2240	Shore D	≥ 63
Deformation under load (14 N/mm <sup>2</sup> for 24 h at 23° C)	ASTM D621	%	10 - 12
Permanent deformation (after 24 h relaxation at 23° C)	ASTM D621	%	5 - 6.5
Coefficient of linear thermal expansion (T = 25 - 100 °C)	ASTM D696	10 <sup>-5</sup> /°C	
<i>From 25 to 100° C</i>			4.0 - 7.2
<i>From 25 to 150° C</i>			4.2 - 7.5
<i>From 25 to 200° C</i>			4.6 - 8.5
<i>From 25 to 250° C</i>			5.4 - 10.4
Coefficient of static friction	ASTM D1894		0.17 - 0.19
Coefficient of dynamic friction	ASTM D1894		0.15 - 0.17
Volume resistivity	ASTM D257	Ohm cm	10 <sup>15</sup>
Service temperature		C°	-200 / +260

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