



# 15% Glass PTFE Datasheet

Typical properties of 15% glass-filled PTFE:

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/cm <sup>3</sup>	2.200 - 2.240
Tensile strength	ASTM D4894	MPa	≥ 18
Elongation	ASTM D4894	%	≥ 200
Hardness	ASTM D2240	Shore D	≥ 58
Deformation under load (14 N/mm <sup>2</sup> for 24 h at 23° C)	ASTM D621	%	11 - 13
Permanent deformation (after 24 h relaxation at 23° C)	ASTM D621	%	5.5 - 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>			8.9 - 12.7
<i>From 25 to 150° C</i>			10.2 - 13.6
<i>From 25 to 200° C</i>			11.5 - 14.2
<i>From 25 to 250° C</i>			13.5 - 15.6
Coefficient of static friction	ASTM D1894		0.18 - 0.20
Coefficient of dynamic friction	ASTM D1894		0.11 - 0.13
Volume resistivity	ASTM D257	Ohm cm	10 <sup>15</sup>
Service temperature		C°	-200 / +260

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