



15% Quartz PTFE Datasheet

Typical properties of 15% quartz PTFE:

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/cm ³	2.200 - 2.249
Tensile strength	ASTM D4894	MPa	≥ 18
Elongation	ASTM D4894	%	≥ 240
Hardness	ASTM D2240	Shore D	≥ 60
Deformation under load (14N/mm ² , 24 h at 23° C)	ASTM D621	%	11 - 12
Permanent deformation (after 24 h relaxation at 23° C)	ASTM D621	%	5 - 5.5
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 ¹⁵
Service temperature		C°	-200 / +260

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