



3% Molybdenum Disulfide PTFE Datasheet

Typical properties of 3% MoS₂ (molybdenum disulfide)-filled PTFE

Property	Method	Units	Specification
Specific gravity	ASTM D792	g/cm ³	2.200 - 2.250
Tensile strength	ASTM D4894	MPa	≥ 25
Elongation	ASTM D4894	%	≥ 250
Hardness	ASTM D2240	Shore D	≥ 55
Deformation under load (14 N/mm ² , 24 h at 23° C)	ASTM D621	%	12.50 - 13.50
Permanent deformation (after 24 h relaxation at 23° C)	ASTM D621	%	5 - 6
Coefficient of static friction			0.08 - 0.10
Coefficient of dynamic friction			0.06 - 0.08
Volume resistivity	ASTM D257	Ohm cm	10 ¹⁸
Service temperature		C°	-200 / +260

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