

AF106 MOS₂ and Glass Fibre Filled PTFE

Glass fibre is the most commonly used filler in PTFE. It gives much improved compression and wear properties. The addition of Molybdenum Disulphide greatly improves the materials self-lubricating properties particularly in dynamic sealing applications.

Typical Physical properties

Property	Test Method	Value		
Specific Gravity	ASTM D 4894	2.24 – 2.28 g/cm ³		
Tensile Strength	ASTM D 4894	21 – 24 MPa (3045-3480 PSI)		
Elongation	ASTM D 4894	260 - 500%		
Shore D Hardness	BS EN 13000-2	60		
Coefficient of Linear Thermal Expansion	ASTM D696 Unit 10 ⁻⁵ / °C	Parallel	Transverse	
		25 - 150 °C	12.5	9.3
		25 - 200 °C	13.7	10.5
Coefficient of Friction	BS EN 13000-2	0.06		

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All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

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