

AF616 Stainless Steel Filled PTFE

The addition of Stainless Steel to PTFE gives better dimensional stability and lowers creep, cold flow and wear. It increases hardness and compressive strength whilst also increasing thermal and electrical conductivity.

Typical Physical properties

Property	Test Method	Value
Specific Gravity	ASTM D 4894	3.35 g/cm ³
Tensile Strength	ASTM D 4894	Min 22 MPa
Elongation	ASTM D 4894	Min 220%
Shore D Hardness	Needle	65 – 69
Water Absorption		0.01%
Surface Resistivity	ASTM D257	10 ⁷ Ω
Volume Resistivity	ASTM D257	10 ⁵ Ω-cm
Flexural Yield Strength 23°C 0.2% Offset	ASTM D790 m1	8.8 N/mm ²
Flexural Yield Strength 23°C	ASTM D790 m1	1180 N/mm ²

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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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