

AF201 25% Carbon Filled PTFE

The addition of Carbon to PTFE increases the compressive strength and wear resistance. It provides good thermal conductivity and low permeability. Commonly used in sealing applications

Typical Physical properties

Property	Test Method	Value
Specific Gravity	ASTM D 792	2.05 – 2.12 g/cm ³
Tensile Strength	ASTM D 4894	20-30 MPa
Elongation	ASTM D 4894	90 - 300%
Shore D Hardness	ASTM D 2240	60 - 66
Deformation Under Load	ASTM D 695	5 – 7%
Permanent Deformation	ASTM D 695	2 – 4%
Flexural Modulus		1105 MPa
Coefficient of Static Friction		0.14 – 0.16
Coefficient of Dynamic Friction		0.12 – 0.14
Volume Resistivity	ASTM D 257	10 ⁻⁴ Ohm / CM
Service Temperature		-200°C / +260°C

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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.

AFT Fluorotec

Solutions and components in Fluoropolymer Plastics

Phone: +44 (0) 1992 515880

Email: info@fluorotec.com

Website: www.fluorotec.com