

## AF201 25% Carbon Filled PTFE

The addition of Carbon Fibre 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 <sup>3</sup>
Tensile Strength	ASTM D 4894	13-18 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%
Coefficient of Static Friction		0.14 – 0.16
Coefficient of Dynamic Friction		0.12 – 0.14
Volume Resistivity	ASTM D 257	10 <sup>-4</sup> Ohm / CM
Service Temperature		-200 <sup>0</sup> C / +260 <sup>0</sup> 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.

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