

AF213 Carbon Conductive PTFE

PTFE With a special conductive carbon filler.

Typical Physical properties

Property	Test Method	Value
Density	ASTM D792	2.13 – 2.19 g/cm ³
Tensile (At break) 23°C	ASTM D4894	>22 MPa
Elongation (At break) 23°C	ASTM D4894	>250%
Hardness	Shore D	>54
Compression Strength 1% Deformation	ASTM D695	>4 MPa
Deformation Under Load 140kg/cm ² , 24hrs, 23°C	ASTM D621	10 – 13 %
Surface Resistivity	ASTM D257	10 ³ Ω
Volume Resistivity	ASTM D257	10 ⁴ Ω/cm
Thermal Conductivity	ASTM C177	0.34 W/m-K
Maximum use Temperature		260 °C
Coefficient of Dynamic Friction	ASTM D1894	0.06 – 0.08
Coefficient of Static Friction	ASTM D1894	0.08 – 0.10
Water Absorption		0.01%
Flammability	UL94	V-0

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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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