

Material Data Sheet

DF-CA2500

General

25% Carbon Filled PTFE

Improved electrical and thermal conductivity, resistance to load, low coefficient of friction in dry, water, steam applications, chemical resistance. Superior wear resistance increase and low friction properties.

Typical Physical properties

Color	-	-	Black
Density(Specific Gravity)	ASTM D-792	g/cm ³ (gm / cc)	2.00 - 2.14
Water Absorption(Max.)	ASTM D-570	%	<0.01
Flammability		-	V-0
Tensile Strength	ASTM D-4894	mpa	≥13
Elongation of Break	ASTM D-638	%	≥60
Compressive properties	-	mpa	900
Hardness	ASTM D-2240	Shore D	75 - 85
Ball hardness		mpa	30
Service temperature (long term)	ASTM D-648	°C	-180 to + 260
Surface Resistivity	ASTM D-258	ohm	>10 ³
Volume Resistivity	ASTM D-257	ohm cm	>10 ⁴

NOTE:

- *The data stated above are typical values intended for reference and comparison purposes only.
- *The data should not be used as a basis for design specifications or quality control.
- *The information is provided as a guide to the best of our knowledge and given without obligation or liability.
- *Testing under individual application circumstances is recommended.