

Material Data Sheet

DF-GR1500

General

15% Graphite Filled PTFE

Improve wear resistance, decrease friction and increase sliding properties against soft metals- chemical inertness. Improve the temperature resistance in some way.

Typical Physical properties

Color	-	-	Black
Density(Specific Gravity)	ASTM D-792	g/cm3 (gm / cc)	2.10 - 2.16
Water Absorption(Max.)	ASTM D-570	%	<0.01
Flammability		-	V-0
Tensile Strength	ASTM D-4894	mpa	≥14
Elongation of Break	ASTM D-638	%	≥180
Compressive properties	-	mpa	880
Hardness	ASTM D-2240	Shore D	58 - 63
Ball hardness		mpa	30
Service temperature (long term)	ASTM D-648	°C	-180 to + 260
Surface Resistivity	ASTM D-258	ohm	>10 ⁶
Volume Resistivity	ASTM D-257	ohm cm	>10 ⁷

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.