

Material Data Sheet

DF-GF1500

General

15% Glass Filled PTFE

Glass fibre is the most commonly used filler in PTFE.

Improved wear resistance, compression strength, creep resistance, chemical resistance(except for alkali and hydrochloric acid). Good performance in oxidising environments, good creep resistance.

Typical Physical properties

Color	-	-	White cream
Density(Specific Gravity)	ASTM D-792	g/cm ³ (gm / cc)	2.15 - 2.22
Water Absorption(Max.)	ASTM D-570	%	<0.01
Flammability		-	V-0
Tensile Strength	ASTM D-4894	mpa	20
Elongation of Break	ASTM D-638	%	220
Compressive properties	-	mpa	860
Hardness	ASTM D-2240	Shore D	55 - 63
Ball hardness		mpa	30
Service temperature (long term)	ASTM D-648	°C	-180 to + 260
Dielectric strength	ASTM D-149	Kv/mm	≤18
Surface Resistivity	ASTM D-258	ohm	>10 ¹⁴
Volume Resistivity	ASTM D-257	ohm cm	>10 ¹⁵

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.