



Typical Property Data Sheet

PTFE COMPOUNDS, INC.

PCI 15 GR FF

DESCRIPTION

A free flowing pelletized compound that is gray in color and contains graphite powder blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	2000
Elongation	ASTM D-4745	%	160
Specific Gravity	ASTM D-4745	g/cm ³	2.16
Bulk Density	ASTM D-4894	g/l	695
Hardness	ASTM D-2240	Shore D	63
Filler Content	ASTM D-4745	%	15 ± 2
Deformation Under Load	ASTM D-621	%	2.5
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	5.9
Static Coefficient of Friction	ASTM D-1894	--	0.07
Dynamic Coefficient of Friction	ASTM D-1894	--	0.05
Dielectric Strength	ASTM D-149A	--	60
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	30

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Typical Property Data Sheet

PTFE COMPOUNDS, INC.

PCI 15 GR LF

DESCRIPTION

Compound is gray molding grade low flow powder that contains graphite powder blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	3000
Elongation	ASTM D-4745	%	210
Specific Gravity	ASTM D-4745	g/cm ³	2.16
Bulk Density	ASTM D-4894	g/l	no data
Hardness	ASTM D-2240	Shore D	63
Filler Content	ASTM D-4745	%	15 ± 2
Deformation Under Load	ASTM D-621	%	2.5
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	5.9
Static Coefficient of Friction	ASTM D-1894	--	0.07
Dynamic Coefficient of Friction	ASTM D-1894	--	0.05
Dielectric Strength	ASTM D-149A	--	60
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	30

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