



Typical Property Data Sheet

PTFE COMPOUNDS, INC.

PCI 15 FG FF

DESCRIPTION

A free flowing white pelletized compound containing glass fibers blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	2700
Elongation	ASTM D-4745	%	250
Specific Gravity	ASTM D-4745	g/cm ³	2.23
Bulk Density	ASTM D-4894	g/l	780
Hardness	ASTM D-2240	Shore D	59
Filler Content	ASTM D-4745	%	15 ± 2
Deformation Under Load	ASTM D-621	%	4.1
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	5.7
Static Coefficient of Friction	ASTM D-1894	--	0.09
Dynamic Coefficient of Friction	ASTM D-1894	--	0.05
Dielectric Strength	ASTM D-149A	--	430
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	7

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Typical Property Data Sheet

PTFE COMPOUNDS, INC.

PCI 15 FG LF

DESCRIPTION

Compound is white molding grade low flow powder that contains glass fibers blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	3400
Elongation	ASTM D-4745	%	290
Specific Gravity	ASTM D-4745	g/cm ³	2.23
Bulk Density	ASTM D-4894	g/l	350
Hardness	ASTM D-2240	Shore D	59
Filler Content	ASTM D-4745	%	15 ± 2
Deformation Under Load	ASTM D-621	%	4.1
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	5.7
Static Coefficient of Friction	ASTM D-1894	--	0.09
Dynamic Coefficient of Friction	ASTM D-1894	--	0.05
Dielectric Strength	ASTM D-149A	--	430
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	7

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Typical Property Data Sheet

PTFE COMPOUNDS, INC.

PCI 25 FG FF

DESCRIPTION

A free flowing pelletized compound that is white in color and contains glass fibers blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	2000
Elongation	ASTM D-4745	%	200
Specific Gravity	ASTM D-4745	g/cm ³	2.24
Bulk Density	ASTM D-4894	g/l	785
Hardness	ASTM D-2240	Shore D	60
Filler Content	ASTM D-4745	%	25 ± 2
Deformation Under Load	ASTM D-621	%	3.9
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	4.3
Static Coefficient of Friction	ASTM D-1894	--	0.12
Dynamic Coefficient of Friction	ASTM D-1894	--	0.07
Dielectric Strength	ASTM D-149A	--	320
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	6

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PCI 25 FG LF

DESCRIPTION

Compound is white molding grade low flow powder that contains glass fibers blended in PTFE resin.

TYPICAL PROPERTIES

PROPERTY	TEST	UOM	VALUE
Tensile Strength	ASTM D-4745	psi	2950
Elongation	ASTM D-4745	%	265
Specific Gravity	ASTM D-4745	g/cm ³	2.24
Bulk Density	ASTM D-4894	g/l	385
Hardness	ASTM D-2240	Shore D	60
Filler Content	ASTM D-4745	%	25 ± 2
Deformation Under Load	ASTM D-621	%	3.9
Coefficient of Thermal Expansion	ASTM D696	in/in/°F x 10 ⁻⁵	4.3
Static Coefficient of Friction	ASTM D-1894	--	0.12
Dynamic Coefficient of Friction	ASTM D-1894	--	0.07
Dielectric Strength	ASTM D-149A	--	320
Wear Factor (K x 10 ⁻¹⁰)		in ³ -min/lb-ft-hr	6

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