

Plaslube® PPS/F CF30 TL15 BK

Techmer Polymer Modifiers - Polyphenylsulfone

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 30% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.50		ASTM D792
Density	1.50	g/cm ³	
Melt Mass-Flow Rate (MFR) (315°C/5.0 kg)	44	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22000	psi	ASTM D638
Tensile Strength (Break)	21700	psi	ASTM D638
Tensile Elongation (Break)	0.77	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.75	ft-lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	230 to 248	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	550 to 580	°F
Middle Temperature	600 to 650	°F
Front Temperature	590 to 630	°F
Nozzle Temperature	600 to 630	°F
Processing (Melt) Temp	554 to 626	°F
Mold Temperature	266 to 320	°F
Injection Rate	Slow	
Back Pressure	0.00 to 100	psi
Screw Speed	Slow	

