Wednesday, May 13, 2026

Plaslube® PPS/F CF30 TL15 BK

Techmer Polymer Modifiers - *Polyphenylsulfone*

Units SI

Action **Legend (Open)**

General Information

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	g/cm³	ASTM D792
Density	1.50	g/cm³	
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)	152	MPa	ASTM D638
Tensile Strength (Break)	150	MPa	ASTM D638
Tensile Elongation (Break)	0.77	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	40	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 1.0E+4	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	110 to 120	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	288 to 304	°C
Middle Temperature	316 to 343	°C
Front Temperature	310 to 332	°C
Nozzle Temperature	316 to 332	°C
Processing (Melt) Temp	290 to 330	°C
Mold Temperature	130 to 160	°C
Injection Rate	Slow	
Back Pressure	0.00 to 0.689	MPa
Screw Speed	Slow	

Notes

[1] Typical properties: these are not to be construed as specifications.

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