

Plaslube® PSU GF30 TL15 LE WT375

 Techmer Polymer Modifiers - *Polysulfone*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Lubricant
Features	• Lubricated
Appearance	• White
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.61		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.20E+6	psi	ASTM D638
Tensile Strength (Yield)	11500	psi	ASTM D638
Tensile Strength (Break)	11500	psi	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.2	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	300	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	635 to 685	°F
Middle Temperature	650 to 700	°F
Front Temperature	660 to 710	°F
Nozzle Temperature	670 to 720	°F
Processing (Melt) Temp	625 to 725	°F
Mold Temperature	275 to 325	°F
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Moderate-Fast	

