

## Plaslube® J-1305/30/TF/15

Techmer Polymer Modifiers - *Polyphenylene Sulfide*

### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• PTFE Lubricant: 15%
Features	• Chemical Resistant • High Strength • Self Lubricating • Flame Retardant • Lubricated
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.65	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
<b>Mechanical</b>			
Tensile Modulus	11000	MPa	ASTM D638
Tensile Strength (Yield)	131	MPa	ASTM D638
Tensile Elongation (Yield)	1.5	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength (Yield)	179	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	370	J/m	ASTM D4812
<b>Hardness</b>			
Rockwell Hardness (M-Scale)	77		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (0.45 MPa, Unannealed)	274	°C	ASTM D648
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	163	°C
Drying Time	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	324 to 338	°C
Mold Temperature	129 to 163	°C

