

Plaslube® J-80/20/TF/15

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Plaslube® J-80/20/TF/15 is an Acetal (POM) Copolymer product filled with 20% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

RoHS Compliant

Chemical Resistant

Good Stiffness

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Good Chemical Resistance		
	Good Stiffness		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (24 hr)	0.26	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	57		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Tensile Elongation (Yield)	2.4	%	ASTM D638
Flexural Modulus	5930	MPa	ASTM D790
Flexural Strength (Yield)	87.6	MPa	ASTM D790
Coefficient of Friction (vs. Steel - Static)	0.20		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	163	°C	
1.8 MPa, Unannealed	160	°C	
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696

Injection	Nominal Value	Unit
Rear Temperature	177 to 193	°C
Middle Temperature	188 to 210	°C
Front Temperature	182 to 199	°C
Nozzle Temperature	177 to 204	°C
Processing (Melt) Temp	193 to 216	°C
Mold Temperature	82.2 to 121	°C

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