

Plaslube® POM TPX-21-238 GY811568

Techmer Polymer Modifiers - Acetal (POM) Copolymer

General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Lubricant
Features	<ul style="list-style-type: none"> Lubricated
Appearance	<ul style="list-style-type: none"> Grey
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.42		ASTM D792
Molding Shrinkage - Flow (0.125 in)	7.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	385000	psi	ASTM D638
Tensile Strength (Yield)	8100	psi	ASTM D638
Tensile Strength (Break)	6600	psi	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	370000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.90	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	200	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	360 to 390	°F
Middle Temperature	370 to 400	°F
Front Temperature	380 to 410	°F
Nozzle Temperature	385 to 415	°F
Processing (Melt) Temp	370 to 420	°F
Mold Temperature	100 to 175	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

