

Plaslube® POM CO AF10 TL15 NAT

Techmer Polymer Modifiers - Acetal (POM) Copolymer

General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Aramid Fiber
Additive	• PTFE Lubricant
Features	• Lubricated
Appearance	• Natural Color
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.015	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	325000	psi	ASTM D638
Tensile Strength (Yield)	5000	psi	ASTM D638
Tensile Strength (Break)	4800	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.50	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
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	390 to 420	°F
Processing (Melt) Temp	365 to 425	°F
Mold Temperature	75 to 150	°F
Injection Rate	Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Slow-Moderate	

