

Plaslube® AC-81/TF/20/Natl

Techmer Polymer Modifiers - Acetal (POM) Homopolymer

General Information
Product Description

Acetal Homopolymer is the specific generic type.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Lubricant: 20%		
Features	• Homopolymer	• Lubricated	
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.53		ASTM D792
Molding Shrinkage - Flow	0.022	in/in	ASTM D955
Water Absorption (24 hr)	0.23	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	8500	psi	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength (Yield)	12000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.90	ft-lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	270	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	160	°F
Drying Time	2.0	hr
Rear Temperature	350 to 380	°F
Middle Temperature	370 to 410	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	350 to 400	°F
Processing (Melt) Temp	380 to 420	°F
Mold Temperature	180 to 250	°F
Injection Rate	Moderate	
Back Pressure	0.00 to 25.0	psi
Screw Speed	70 to 80	rpm

