

# Plaslube® AC-81/SI/2

Acetal (POM) Homopolymer  
Techmer Engineered Solutions

Message:  
Acetal Homopolymer is the specific generic type.

General Information			
Additive	Lubricant (2%)		
Features	Homopolymer		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	56.5	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength (Yield)	86.2	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	117	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.20	%	
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	
Injection Rate	Moderate		
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	70 to 80	rpm	

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Recommended distributors for this material

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