

4POM® 9I15120

Acetal (POM) Homopolymer
4Plas

Message:

4POM 9I15120 is a MFI 9 20% PTFE Lubricated POM

General Information			
Additive	PTFE lubricant (20%)		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	67.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	24	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
23°C	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	155	°C	ISO 75-2/B
Melting Temperature ²	165	°C	ISO 11357
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 - 220	°C	
Mold Temperature	60.0 - 100	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	80.0 - 100	MPa	
Screw Speed	300	rpm	
Injection instructions			
Feed Throat Temperature: 30 - 50 °CBack Pressure: Low			
NOTE			
1.	24 Hrs		
2.	10 K/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

