

4POM® 9I11230 H

Acetal (POM) Homopolymer
4Plas

Message:

4POM 9I11230 H is a MFI 9 30% Barium Sulphate Filled Heat Stabilised POM

General Information			
Filler / Reinforcement	Barium sulfate		
Additive	heat stabilizer		
Features	Thermal Stability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	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)	9500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	160	°C	ISO 75-2/B
1.8 MPa, not annealed	155	°C	ISO 75-2/A
Melting Temperature ²	165	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.60 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	60.0 - 120	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	80.0 - 100	MPa	

Screw Speed	200	rpm
Injection instructions		
Feed Throat Temperature: 30 - 50 °CBack Pressure: Low		
NOTE		
1.	24 Hrs	
2.	10 K/min	

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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

