

4POM® 9I12125 H

Acetal (POM) Homopolymer
4Plas

Message:

4POM 9I12125 H is a MFI 9 25% Glass Fibre Reinforced Heat Stabilised POM

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
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)	7500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	105	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	158	°C	ISO 75-2/A
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	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		

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