

ISOTAL™ C9G30

Acetal (POM) Copolymer
SABIC Innovative Plastics Europe

Message:
General purpose, 30% glass fiber reinforced acetal copolymer (POM) injection molding resin.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Copolymer		
	General Purpose		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.12	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	110	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Break)	89.0	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	170 to 200	°C	
Mold Temperature	80.0 to 100	°C	

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