

POLYform C M90 GF30

Acetal (POM) Copolymer

Polykemi AB

Message:

Glass fibre-reinforced

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.3	%	
Flow	0.70 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	72.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus (23°C)	7500	MPa	ISO 178
Flexural Stress	122	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (1.8 MPa, Unannealed)	165	°C	ISO 75-2/A
Vicat Softening Temperature			
--	168	°C	ISO 306/A50
--	160	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Glow Wire Ignition Temperature (1.60 mm)	550	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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