

RAMTAL PM340S6

Acetal (POM) Copolymer
Polyram Ram-On Industries

Message:
30% GLASS-BEADS FILLED POLYACETAL FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.50	g/cm ³	ASTM D792
--	1.60	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.4 to 1.8	%	ASTM D955
--	1.4 to 1.8	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	35.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	20	%	ASTM D638, ISO 527-2
Flexural Modulus	1900	MPa	ASTM D790, ISO 178
Flexural Strength	60.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	30	J/m	ASTM D256
23°C	2.7	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	165	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	160	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	165	°C	ASTM D3418, ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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