

RAMTAL PM340S4

Acetal (POM) Copolymer
Polyram Ram-On Industries

Message:
20% GLASS-BEADS FILLED POLYACETAL FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.5 - 2.0	%	ASTM D955
--	1.5 - 2.0	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	40.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	25	%	ASTM D638, ISO 527-2
Flexural Modulus	2200	MPa	ASTM D790, ISO 178
Flexural Strength	65.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	45	J/m	ASTM D256
23°C	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	165	°C	ASTM D648, ISO 75-2/B
1.8 MPa, not annealed	160	°C	ASTM D648, ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	175 - 200	°C	
Middle Temperature	180 - 205	°C	
Front Temperature	190 - 210	°C	

Mold Temperature	60.0 - 110	°C
Injection Pressure	70.0 - 105	MPa
Holding Pressure	35.0 - 85.0	MPa
Back Pressure	0.350 - 0.700	MPa
Screw Speed	60 - 90	rpm

Injection instructions

Fill Speed: 25 to 50 mm/sec

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