PLUSTEK PA340S05

Polyamide 66

Polyram Ram-On Industries

Message:

5% GLASS-BEADS REINFORCED POLYAMIDE 6.6, HEAT STABILIZED FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Bead,5.0% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.19	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	1.4 to 1.8	%	ASTM D955
--	1.4 to 1.8	%	ISO 2577
Water Absorption			
Saturation	7.0	%	ASTM D570
Saturation, 23°C	7.0	%	ISO 62
Equilibrium	3.5	%	ASTM D570
Equilibrium, 23°C, 50% RH	3.5	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0 to 5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3100	MPa	ASTM D790, ISO 178
Flexural Strength	135	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	50	J/m	ASTM D256
--	4.5	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/A
Melting Temperature	258	°C	ISO 11357-3, ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	IEC 60093
Dielectric Constant (1 MHz)	3.60		IEC 60250

Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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