

PLUSTEK PB340S50

Polyamide 6
Polyram Ram-On Industries

Message:
50% GLASS-BEADS REINFORCED,HEAT STABILIZED POLYAMIDE 6 FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Bead,50% 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	1.45	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.80 to 1.2	%	ASTM D955
--	0.80 to 1.2	%	ISO 294-4
Water Absorption			
Saturation	5.8	%	ASTM D570
Saturation, 23°C	5.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3000	MPa	ASTM D790, ISO 178
Flexural Strength	120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.2	kJ/m ²	
23°C	4.3	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	40	kJ/m ²	
23°C	46	kJ/m ²	
Notched Izod Impact			
23°C	35	J/m	ASTM D256
-30°C	4.2	kJ/m ²	ISO 180
23°C	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	190	°C	ASTM D648, ISO 75-2/B

1.8 MPa, Unannealed	90.0	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature	80.0	°C	Internal Method
Maximum Use Temperature ¹	180	°C	
Maximum Continuous Use Temperature	80	°C	
Melting Temperature	218	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	80	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
NOTE			

1. Short Peaks Operation

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

