

PLUSTEK PB202G50BK39

Polyamide 6
Polyram Ram-On Industries

Message:
50% GLASS FIBER REINFORCED, UV AND HEAT SATBILIZED POLYAMIDE 6 . APPROVED AND LISTED BY NSF/ANSI 61 INTERNATIONAL.

General Information	
Filler / Reinforcement	Glass Fiber,50% Filler by Weight
Additive	Heat Stabilizer UV Stabilizer
Features	Good UV Resistance Heat Stabilized
Agency Ratings	ANSI Unspecified Rating NSF 61

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.10 to 0.40	%	ASTM D955
--	0.10 to 0.40	%	ISO 2577
Water Absorption			
Saturation	4.8	%	ASTM D570
Saturation, 23°C	4.8	%	ISO 62
Equilibrium, 23°C, 50% RH	1.5	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	210	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	13700	MPa	ASTM D790, ISO 178
Flexural Strength	305	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	200	J/m	ASTM D256
23°C	19	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	220	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/A

Continuous Use Temperature			
--	110	°C	
-- 1	200	°C	
Melting Temperature	218	°C	ISO 11357-3, ASTM D3417
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	80	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.80		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
NOTE			

1. SHORT PEAKS OPERATION

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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

