

PLUSTEK RA325G6

Polyamide 66
Polyram Ram-On Industries

Message:
30% Glass Fiber Reinforced Flame Retardant, Halogen Free Polyamide 6.6 for Injection Moulding applications.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.40	%	ASTM D955
--	0.40	%	ISO 2577
Water Absorption			
Saturation	6.0	%	ASTM D570
Saturation, 23°C	6.0	%	ISO 62
Equilibrium	1.9	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.9	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	150	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	7600	MPa	ASTM D790, ISO 178
Flexural Strength	200	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	100	J/m	ASTM D256
23°C	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	238	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	225	°C	ASTM D648, ISO 75-2/A
Melting Temperature	256	°C	ISO 11357-3, ASTM D3418

Maximum Continuous Use Temperature	120	°C	
Maximum Service Temperature ¹	240	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	80	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.70		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
NOTE			

1. Short Peaks Operation

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