

RAMTOUGH PZ324G4NT

Polycarbonate
Polyram Ram-On Industries

Message:
20% GF REINFORCED, FLAME RETARDANT POLYCARBONATE FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.40 to 0.60	%	ASTM D955
--	0.40 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	95.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.7	%	ASTM D638, ISO 527-2
Flexural Modulus	5600	MPa	ASTM D790, ISO 178
Flexural Strength	150	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C	11	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	145	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index	850	°C	IEC 60695-2-12

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