

RAMTOUGH PZ307G6

Polycarbonate
Polyram Ram-On Industries

Message:
30% GLASS FIBER REINFORCED POLYCARBONATE, UV STABILIZED FOR INJECTION MOLDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.10 to 0.30	%	ASTM D955
--	0.10 to 0.30	%	ISO 294-4
Water Absorption			
Saturation	0.10	%	ASTM D570
Saturation, 23°C	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	120	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	7800	MPa	ASTM D790, ISO 178
Flexural Strength	220	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	120	J/m	ASTM D256
23°C	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	140	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Electric Strength	30	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-2		UL 94

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