

RAMSTER PE321G6

Polyethylene Terephthalate

Polyram Ram-On Industries

Message:

30% GLASS FIBER REINFORCED, FLAME RETARDANT V-0 P.E.T FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.37	g/cm ³	ASTM D792
--	1.67	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.30	%	ASTM D955
--	0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11200	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	125	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	10000	MPa	ASTM D790, ISO 178
Flexural Strength	210	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	80	J/m	ASTM D256
23°C	8.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	245	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	224	°C	ASTM D648, ISO 75-2/A
Melting Temperature	254	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	4.00		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94

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