

RAMSTER PE304G3

Polyethylene Terephthalate

Polyram Ram-On Industries

Message:

15% GLASS FIBER REINFORCED, HEAT STABILIZED AND IMPACT MODIFIED P.E.T. FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Heat Stabilized		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.15 to 0.30	%	ASTM D955
--	0.15 to 0.30	%	ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	4.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4000	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179
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 (1.8 MPa, Unannealed)	187	°C	ASTM D648, ISO 75-2/A
Melting Temperature	252	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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