

RAMOFIN PPH301G6NT

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

30% GF REINFORCED POLYPROPYLENE FOR INJECTION MOULDING APPLICATIONS. APPROVED AND LISTED BY WRAS POTABLE WATER

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Homopolymer		
Uses	Potable Water Applications		
Agency Ratings	WRAS Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.10 to 0.40	%	ASTM D955
--	0.10 to 0.40	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	90.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5700	MPa	ASTM D790, ISO 178
Flexural Strength	105	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C	13	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	153	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	145	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature			
--	100	°C	
-- ¹	155	°C	
Melting Temperature	165	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Unit	Test Method
Burning Rate	9.0	mm/min	FMVSS 302

Flame Rating	HB	UL 94
NOTE		

1.	Short-term
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