

RAMOFIN PPH300G9

Polypropylene Homopolymer

Polyram Ram-On Industries

Message:

45% GLASS-FIBER REINFORCED POLYPROPYLENE FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.10 - 0.30	%	ASTM D955
--	0.10 - 0.30	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	110	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	7500	MPa	ASTM D790, ISO 178
Flexural Strength	140	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, not annealed	150	°C	ASTM D648, ISO 75-2/B
1.8 MPa, not annealed	140	°C	ASTM D648, ISO 75-2/A
Maximum operating temperature-Short Peaks Operation	110	°C	
Maximum Continuous Use Temperature	140	°C	
Melting Temperature	165	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	190 - 220	°C	
Middle Temperature	200 - 225	°C	
Front Temperature	205 - 230	°C	
Mold Temperature	30.0 - 65.0	°C	

Injection Pressure	70.0 - 105	MPa
Holding Pressure	35.0 - 70.0	MPa
Back Pressure	0.350 - 0.700	MPa
Screw Speed	60 - 90	rpm

Injection instructions

Fill Speed: 25 to 50 mm/sec

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

