

RAMLLOY PFS302G14

Polybutylene Terephthalate + ASA

Polyram Ram-On Industries

Message:

14% GLASS FIBER REINFORCED ASA/PBT ALLOY FOR INJECTION MOLDING APPLICTIONS.

General Information			
Filler / Reinforcement	Glass Fiber,14% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	15	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.60	%	ASTM D955
--	0.60	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4800	MPa	ASTM D638, ISO 527-2
Tensile Strength			
Yield	130	MPa	ASTM D638
Yield	75.0	MPa	ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4100	MPa	ASTM D790, ISO 178
Flexural Strength	190	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	450	J/m	ASTM D256
23°C	45	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	200	°C	ASTM D648
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	165	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Test Method	
Dielectric Constant (1 MHz)	3.70	IEC 60250	
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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