

RAMLLOY PFS301G6

Polybutylene Terephthalate + ASA

Polyram Ram-On Industries

Message:

30% GLASS FIBER REINFORCED ASA/PBT ALLOY FOR INJECTION MOLDING APPLICTIONS.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	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	0.16	%	ASTM D955
--	0.16	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	130	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	7000	MPa	ASTM D790, ISO 178
Flexural Strength	190	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	85	J/m	ASTM D256
23°C	10	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	206	°C	ASTM D648
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	170	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	3.70		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Flammability	13	mm/min	FMVSS 302

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