

RAMSHINE PV111

Acrylonitrile Butadiene Styrene

Polyram Ram-On Industries

Message:

GENERAL PURPOSE ABS FOR INJECTION MOULDING APPLICATIONS

General Information			
Features	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			
Flow	0.30 to 0.60	%	ASTM D955
--	0.30 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	45.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	7.0	%	ASTM D638, ISO 527-2
Flexural Modulus	2100	MPa	ASTM D790, ISO 178
Flexural Strength	76.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	250	J/m	ASTM D256
23°C	25	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	90.0	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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