

RAMSHINE PAS701

Acrylonitrile Styrene Acrylate
Polyram Ram-On Industries

Message:
A GENERAL PURPOSE INJECTION MOULDING ASA. HIGH THERMAL AND MECHANICAL PROPERTIES , CHEMICAL RESISTANCE, UV STABILIZATION.

General Information			
Additive	UV Stabilizer		
Features	General Purpose		
	Good Chemical Resistance		
	Good UV Resistance		
	High Heat Resistance		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/2.1 kg)	14	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.50	%	ASTM D955
--	0.50	%	ISO 2577
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)	60	%	ASTM D638, ISO 527-2
Flexural Modulus	2000	MPa	ASTM D790, ISO 178
Flexural Strength	70.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	220	J/m	ASTM D256
23°C	20	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	101	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	96.0	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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