

RAMLLOY B001

Polyamide 66 Alloy

Polyram Ram-On Industries

Message:

PA6/Polyolefine Alloy, reduction of water absorption, Impact modified, for injection moulding applications.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03 to 1.05	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
235°C/5.0 kg	10	g/10 min	ASTM D1238
235°C/10.0 kg	10	g/10 min	ISO 1133
Molding Shrinkage	1.3	%	ISO 2577
Water Absorption			
Saturation	3.3	%	ASTM D570
Saturation, 23°C	3.3	%	ISO 62
Equilibrium	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	180	%	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
Charpy Notched Impact Strength (23°C)	30	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	670	J/m	ASTM D256
23°C	50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	130	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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