

RAMLLOY A001

Polyamide 66 + PP
Polyram Ram-On Industries

Message:
PA66/PP 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	1.10	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	15	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.2	%	ASTM D955
--	1.2	%	ISO 2577
Water Absorption			
Saturation	8.0	%	ASTM D570
Saturation, 23°C	8.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	60.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	50	%	ASTM D638, ISO 527-2
Flexural Modulus	1790	MPa	ASTM D790, ISO 178
Flexural Strength	80.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	350	J/m	ASTM D256
23°C	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	120	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	256	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.30		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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