

PLUSTEK RA353M8

Polyamide 66
Polyram Ram-On Industries

Message:
40% MINERAL FILLED POLYAMIDE 66, TO INCREASE DIMENSIONAL STABILITY. FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Impact Modifier		
Features	Good Dimensional Stability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.50 to 1.0	%	ASTM D955
--	0.50 to 1.0	%	ISO 2577
Water Absorption			
Saturation	4.5	%	ASTM D570
Saturation, 23°C	4.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	75.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5100	MPa	ASTM D790, ISO 178
Flexural Strength	145	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	60	J/m	ASTM D256
23°C	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	235	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/A
Melting Temperature	256	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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