

Razamid® A111

Polyamide 66
Razin™ Engineering Plastics

Message:
Razamid A111 is a general purpose injection grade natural color polyamide 66 resin.

General Information			
Features	General Purpose		
Uses	General Purpose		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	80.0	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	5.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	80.0	°C	
Vicat Softening Temperature	230	°C	ASTM D1525
Peak Melting Temperature	260	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms · cm	IEC 60093
Dielectric Strength	13	kV/mm	ASTM D149
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	270 to 280	°C	
Middle Temperature	270 to 300	°C	
Front Temperature	270 to 300	°C	
Processing (Melt) Temp	275 to 305	°C	
Mold Temperature	15.0 to 95.0	°C	

Injection Pressure

55.0 to 140

MPa

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