

Razin™ Engineering Plastics		Quality Management System <b>Product Information</b>	
Form Code:7Te02F1	No.:B111		

### Razamid® B111

Razamid B111 is a general purpose injection grade natural color polyamide 6 resin.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	1.13
Linear Mold Shrinkage	ASTM D 955	%	1

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	85
Elongation at Break	ASTM D 638	%	25
Flexural Strength	ASTM D 790	MPa	110
Flexural Modulus	ASTM D 790	MPa	2600
Izod Impact, Notched @ 23 °C @ -30 °C	ASTM D 256	KJ/m <sup>2</sup>	3 -

<b>Thermal</b>			
Melting Point	ASTM D 3418	°C	210
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D 648	°C	190 70
Vicat Softening point	ASTM D 1525	°C	200

<b>Electrical</b>			
Surface Resistivity	IEC 60093	Ohm	10 <sup>12</sup>
Volume Resistivity	IEC 60093	Ohm.cm	10 <sup>13</sup>
Dielectric constant	ASTM D 150		-
Dielectric strength	ASTM D 149	KV/mm	-

<b>Processing</b>						
Drying:						
	Drying Time:	2 – 4 hr		Drying Temperature:	90 - 110 °C	
Injection Molding:						
Item	Rear Temp (°C)	Middle Temp (°C)	Front Temp (°C)	Melt Temp (°C)	Mold Temp (°C)	Inj. Pressure (Mpa)
Min	220	225	240	240	25	35
Max	245	260	270	270	95	140

The data contained in this publication are based on our current knowledge and experience. In view of the many actors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.

Razin™ Engineering Plastics

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