

<b>Razin™ Engineering Plastics</b>		Quality Management System <b>Product Information</b>	
Form Code:7Te02F1	No.:B111GR35		

### Razamid® B111 GR35

*Razamid B111 GR35 is an injection grade natural color polyamide 6 resin reinforced with 35% Glass Fiber. It combines good strength, stiffness and toughness as well as excellent heat, chemical and abrasion resistance.*

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	1.41
Linear Mold Shrinkage	ASTM D 955	%	0.7

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	195
Elongation at Break	ASTM D 638	%	3
Flexural Strength	ASTM D 790	MPa	280
Flexural Modulus	ASTM D 790	MPa	10500
Izod Impact, Notched @ 23 °C	ASTM D 256	KJ/m <sup>2</sup>	18
@ -30 °C			-

<b>Thermal</b>			
Melting Point	ASTM D 3418	°C	225
Deflection Temperature Under Load @ 0.46 MPa	ASTM D 648		220
@ 1.8 MPa		°C	212
Vicat Softening point	ASTM D 1525	°C	210

<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		3.8
Dielectric strength	ASTM D 149	KV/mm	18

<b>Processing</b>						
Drying:						
	Drying Time:	2 – 4 hr		Drying Temperature	80-100 °C	
Injection Molding:						
Item	Rear Temp (°C)	Middle Temp (°C)	Front Temp (°C)	Melt Temp (°C)	Mold Temp (°C)	Inj. Pressure (Mpa)
Min	220	240	255	270	80	55
Max	240	260	275	290	90	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**

Sales Office: Unit1, No.332, Mokhberi Blvd, North janat abad St., Tehran,Iran

Tel: + (98) 21 44623931

Fax: +(98) 21 44623931

Web address: [www.Razinpolymer.com](http://www.Razinpolymer.com)