

Razin™ Engineering Plastics		Quality Management System	
Form Code: 7Te02F1	No.: Q111 GR30	<b>Product Information</b>	

### Razalen® Q111 GR30

Razalen Q111 GR30 is an injection grade natural color homopolymer polypropylene reinforced with 30% glass fiber. It combines good toughness rigidity balance.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	1.14
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	4
Linear Mold Shrinkage	ASTM D 955	%	0.4

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	80
Elongation at Break	ASTM D 638	%	3
Flexural Strength	ASTM D 790	MPa	120
Flexural Modulus	ASTM D 790	MPa	5500
Izod Impact, Notched	ASTM D 256	kJ/m <sup>2</sup>	8
@ 23 °C			
@ -30 °C			-

<b>Thermal</b>			
Deflection Temperature Under Load	ASTM D 648	°C	155
@ 0.46 MPa			
@ 1.8 MPa			138
Vicat Softening point	ASTM D 1525	°C	-

<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	200	210	220	220	40	50
Max	210	220	230	240	80	150

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.