

Razin™ Engineering Plastics		Quality Management System Product Information	
Form Code: 7Te02F1	No.: Q111		

Razalen® Q111

Razalen Q111 is a general purpose injection grade natural color homopolymer polypropylene.

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	0.9
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	25
Linear Mold Shrinkage	ASTM D 955	%	1.5

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	32
Elongation at Break	ASTM D 638	%	13
Flexural Strength	ASTM D 790	MPa	40
Flexural Modulus	ASTM D 790	MPa	1500
Izod Impact, Notched	ASTM D 256	kJ/m ²	3
@ 23 °C			
@ -30 °C			-

Thermal			
Deflection Temperature Under Load	ASTM D 648	°C	95
@ 0.46 MPa			
@ 1.8 MPa			-
Vicat Softening point	ASTM D 1525	°C	152

Processing						
Drying:						
	Drying Time:		1 – 2 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	200	200	200	30	50
Max	220	220	220	230	60	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.