

Razin™ Engineering Plastics		Quality Management System	
Form Code: 7Te02F1	No.: Q121 CR20	<b>Product Information</b>	

## Razalen® Q121 CR20

Razalen Q121 CR20 is an injection grade black color polypropylene reinforced with 20% calcium carbonate. The grade features high stiffness and good scratch resistance.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.05
MFR(230°C, 2.16 kg)	ASTM D1238	g/10 min	10
Linear Mold Shrinkage	ASTM D955	%	1.1

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D638	MPa	20
Elongation at Break	ASTM D638	%	50
Flexural Strength	ASTM D790	MPa	40
Flexural Modulus	ASTM D790	MPa	2400
Izod Impact, Notched @ 23 °C @ -30 °C	ASTM D256	J/m	30

<b>Thermal</b>			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D648	°C	115 -
Vicat Softening point	ASTM D1525	°C	110

<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	205	210	220	40	50
Max	205	210	215	240	70	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.