

<b>Razin™ Engineering Plastics</b>		Quality Management System	
<b>Form Code:</b> 7Te02F1	No.:Q121 TR20	<b>Product Information</b>	

### Razalen® Q121 TR20

Razalen Q121TR20 is an injection grade black color polypropylene reinforced with 20% Talc. The grade features high stiffness and good scratch resistance.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ISO 1182	g/cm <sup>3</sup>	1.05
MFR(230°C, 2.16 kg)	ISO 1133	g/10 min	12
Linear Mold Shrinkage	ISO 294-4	%	1.1

<b>Mechanical</b>			
Tensile Strength, Yield	ISO 527-2	MPa	40
Elongation at Break	ISO 527-2	%	30
Flexural Strength	ISO178	MPa	50
Flexural Modulus	ISO178	MPa	2900
Izod Impact, Notched @ 23 °C @ -30 °C	ISO180	J/m	35

<b>Thermal</b>			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ISO75-2	°C	120 67
Vicat Softening Point	ISO 306/A50	°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	195	205	215	220	50	50
Max	215	225	235	250	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.