

Razin™ Engineering Plastics		Quality Management System	
Form Code:TE-F01.00	No.:P121 TR20	<b>Product Information</b>	

### Razalen® P121 TR20

Razalen P121 TR20 is a general purpose injection grade black color impact copolymer polypropylene reinforced with 20% Talc. It combines good rigidity as well as excellent processability

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	1.05
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	10
Linear Mold Shrinkage	ASTM D 955	%	1.1-1.5

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	28
Elongation at Break	ASTM D 638	%	15
Flexural Strength	ASTM D 790	MPa	45
Flexural Modulus	ASTM D 790	MPa	2400
Izod Impact, Notched @ 23 °C @ -30 °C	ASTM D 256	J/m	40

<b>Thermal</b>			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D 648	°C	- 70
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	180	190	200	210	30	40
Max	200	210	220	230	65	130

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.