

Razin™ Engineering Plastics		Quality Management System	
Form Code: 7Te02F1	No.: R123-03	<b>Product Information</b>	

### Razalen® R123-03

Razalen R123-03 is a rubber modified injection grade black color polypropylene. Its good UV stability and balance of toughness and rigidity makes it suitable for automotive interior trim.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	0.91
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	9
Linear Mold Shrinkage	ASTM D 955	%	1.5

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	18
Elongation at Break	ASTM D 638	%	65
Flexural Strength	ASTM D 790	MPa	20
Flexural Modulus	ASTM D 790	MPa	950
Izod Impact, Notched	ASTM D 256	kJ/m <sup>2</sup>	45
@ 23 °C			
@ 0 °C			10

<b>Thermal</b>			
Deflection Temperature Under Load	ASTM D 648	°C	-
@ 0.46 MPa			
@ 1.8 MPa			82
Vicat Softening point	ASTM D 1525	°C	-

<b>Processing</b>						
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	180	180	180	180	30	50
Max	215	215	215	220	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.