

Razin™ Engineering Plastics		Quality Management System	
Form Code: TE-F01.00	No.:R123 TR15	Product Information	

Razalen® R123 TR15

Razalen R123TR15 is a rubber modified injection grade black color polypropylene reinforced with 15% Talc and with UV stabilized. It combines excellent toughness as well as excellent processability, chemical, and fatigue resistance.

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	1.02
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	12
Linear Mold Shrinkage	ASTM D 955	%	1.02

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	20
Elongation at Break	ASTM D 638	%	30
Flexural Strength	ASTM D 790	MPa	35
Flexural Modulus	ASTM D 790	MPa	1500
Izod Impact, Notched @ 23 °C @ -30 °C	ASTM D 256	kJ/m ²	9

Thermal			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D 648	°C	100 57
Vicat Softening point	ASTM D 1525	°C	50

Processing						
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	220	30	50
Max	220	220	220	260	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.

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