

Razin™ Engineering Plastics		Quality Management System	
Form Code: 7Te02F1	No.: R133 TR5	Product Information	

Razalen® R133 TR5

Razalen R133TR5 is a rubber modified injection grade dark gray color, high impact polypropylene. It combines excellent toughness as well as excellent processability, chemical, and UV resistance. Typical applications include automotive application such as bumper

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	0.93
MFR(230°C, 2.16 kg)	ASTM D 1238	g/10 min	12
Linear Mold Shrinkage	ASTM D 955	%	1

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	17
Elongation at Break	ASTM D 638	%	>100
Flexural Strength	ASTM D 790	MPa	23
Flexural Modulus	ASTM D 790	MPa	650
Izod Impact, Notched @ 23 °C @ -20 °C	ASTM D 256	kJ/m ²	N.B

Thermal			
Deflection Temperature Under Load @ 0.46 MPa @ 1.8 MPa	ASTM D 648	°C	85 -
Vicat Softening point	ASTM D 1525	°C	-

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.