

Razalen® R123-03

Polypropylene
Razin™ Engineering Plastics

Message:

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.

General Information			
Additive	Rubber		
	UV Stabilizer		
Features	Good UV Resistance		
Uses	Automotive Interior Parts		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	65	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790
Flexural Strength	20.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)			ASTM D256
0°C	10.0	kJ/m ²	
23°C	45.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	1.0 to 2.0	hr	
Rear Temperature	180 to 215	°C	
Middle Temperature	180 to 215	°C	
Front Temperature	180 to 215	°C	
Processing (Melt) Temp	180 to 220	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Pressure	50.0 to 150	MPa	

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Recommended distributors for this material

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