

# Razalen® R123 TR25

Polypropylene + EPDM Rubber

Razin™ Engineering Plastics

## Message:

Razalen R123TR25 is a rubber modified injection grade natural color polypropylene reinforced with 25% Talc and with UV stabilized . It combines excellent toughness as well as excellent processability, chemical, and fatigue resistance.

General Information			
Filler / Reinforcement	Talc,25% Filler by Weight		
Additive	UV Stabilizer		
Features	Fatigue Resistant		
	Good Chemical Resistance		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.78	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2310	MPa	ASTM D790
Flexural Strength	22.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	14	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	125	°C	
1.8 MPa, Unannealed	70.0	°C	
Vicat Softening Temperature	149	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	180 to 220	°C	
Middle Temperature	190 to 220	°C	
Front Temperature	200 to 220	°C	

Processing (Melt) Temp	220 to 260	°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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