

# Razalen® R123 TR15

Polypropylene + EPDM Rubber

Razin™ Engineering Plastics

## Message:

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

General Information			
Filler / Reinforcement	Talc,15% 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	1.02	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	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2490	MPa	ASTM D790
Flexural Strength	35.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	10	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	100	°C	
1.8 MPa, Unannealed	57.0	°C	
Vicat Softening Temperature	130	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

