

RTP 100 SI 2 HI HF

Polypropylene Copolymer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
-Preliminary Product Data per RTP Co.-

General Information			
Additive	Impact modifier		
	Silicone lubricant (2%)		
Features	Impact modification		
	High liquidity		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1030	MPa	ASTM D638
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Flexural Strength	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	320	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	102	°C	ASTM D648
1.8 MPa, not annealed	51.7	°C	ASTM D648
Flammability	Nominal Value	Test Method	

Flame Rating (1.59 mm, Values per RTP Company testing.)			HB	UL 94
Additional Information				
Mold Shrinkage, ASTM D-955, 0.25in. : 25mil/in.				
Injection	Nominal Value	Unit		
Drying Temperature	82.2	°C		
Drying Time	2.0	hr		
Suggested Max Regrind	20	%		
Rear Temperature	232 - 274	°C		
Middle Temperature	232 - 274	°C		
Front Temperature	232 - 274	°C		
Mold Temperature	32.2 - 65.6	°C		
Injection Pressure	68.9 - 138	MPa		

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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



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