

RTP 199 X 143684 C

Polypropylene
RTP Company

Message:
High Flow - Cellulose Fiber - 20% Renewable Resource Content

General Information			
Filler / Reinforcement	Fiber filler		
Features	Updatable resources		
	High liquidity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	6.0 - 8.0	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	139	°C	ASTM D648
1.8 MPa, not annealed	72.2	°C	ASTM D648
Additional Information	Nominal Value	Unit	
Renewable Content	20	%	
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 - 232	°C	
Mold Temperature	32 - 66	°C	
Injection Pressure	68.9 - 103	MPa	

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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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