

RTP 799 X 140537

High Density Polyethylene

RTP Company

Message:

Cellulose Fiber - 95% Renewable Resource Content*

General Information			
Filler / Reinforcement	Fiber filler		
Features	Updatable resources		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength	29.6	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	51.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	48	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	190	J/m	ASTM D4812
Additional Information	Nominal Value	Unit	
Renewable Content	95	%	
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 - 232	°C	
Mold Temperature	21 - 66	°C	
Injection Pressure	68.9 - 103	MPa	

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Recommended distributors for this material

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