

RTP 3285

Ethylene Tetrafluoroethylene 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			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17900	MPa	ASTM D638
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Break)	0.75	%	ASTM D638
Flexural Modulus	13600	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Compressive Strength	62.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	300	J/m	ASTM D4812
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 2mil/in.			
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	293 - 332	°C	
Middle Temperature	293 - 332	°C	
Front Temperature	293 - 332	°C	
Mold Temperature	93.3 - 149	°C	

Injection Pressure	68.9 - 138	MPa
Clamp Tonnage	5.5 - 11	kN/cm ²

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Recommended distributors for this material

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