

RTP 285B TFE 10

Polyamide 610

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.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (10%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	19300	MPa	ASTM D638
Tensile Strength	186	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	17900	MPa	ASTM D790
Flexural Strength	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	221	°C	ASTM D648
1.8 MPa, not annealed	216	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	10	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Additional Information			
Mold Shrinkage, ASTM D955, 0.250 in: 3 mil/inTensile Elongation, ASTM D638: 2 - 4%			

Injection	Nominal Value	Unit
Rear Temperature	221 - 293	°C
Middle Temperature	221 - 293	°C
Front Temperature	221 - 293	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 103	MPa

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Recommended distributors for this material

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