

RTP 4605 TFE 10

Syndiotactic Polystyrene

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	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (10%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9650	MPa	ASTM D638
Tensile Strength	115	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	96	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	450	J/m	ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Additional Information			
The value listed as UL 94, was tested in accordance with RTP Company test methods.			
Injection	Nominal Value	Unit	
Rear Temperature	277 - 327	°C	
Middle Temperature	277 - 327	°C	
Front Temperature	277 - 327	°C	
Mold Temperature	65.6 - 149	°C	
Injection Pressure	34.5 - 103	MPa	

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Recommended distributors for this material

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