

RTP 4603 FR

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, 20% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength	96.5	MPa	ASTM D638
Tensile Elongation (Break)	1.6	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	400	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.59 mm)	V-0	UL 94	
Additional Information			
Contains Questra™ polymer; Questra™ is a trademark of Dow Chemical Company.The value listed as Flammability, UL 94, was tested in accordance with RTP test standards.			
Injection	Nominal Value	Unit	
Rear Temperature	271 - 327	°C	
Middle Temperature	271 - 327	°C	
Front Temperature	271 - 327	°C	
Mold Temperature	65.6 - 149	°C	
Injection Pressure	68.9 - 103	MPa	

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Recommended distributors for this material

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