

RTP 2101 HF

Polyether Imide

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,10% Filler by Weight		
Features	High Flow		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18 mm, Injection Molded	0.50	%	
6.35 mm, Injection Molded	0.60	%	
Water Absorption (23°C, 24 hr)	0.24	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	5510	MPa	ASTM D638
Tensile Strength	124	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	4.0	%	ASTM D638
Flexural Modulus (Injection Molded)	4480	MPa	ASTM D790
Flexural Strength (Injection Molded)	183	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	43	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	480	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	204	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	349 to 382	°C	
Middle Temperature	349 to 382	°C	
Front Temperature	349 to 382	°C	
Mold Temperature	135 to 177	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

