

QR Resin QR-5000-GF10

Polyether Imide

QTR, Inc.

Message:

QR Resin QR-5000-GF10 is a Polyether Imide (PEI) product filled with 10% glass fiber. It is available in North America.

Characteristics include:

Chemical Resistant

Good Dimensional Stability

Heat Resistant

Rigid

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	High Heat Resistance		
	High Rigidity		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	103	MPa	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength (Yield)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	206	°C	
1.8 MPa, Unannealed	202	°C	
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	6.0	hr	
Rear Temperature	321 to 343	°C	

Middle Temperature	327 to 354	°C
Front Temperature	343 to 371	°C
Nozzle Temperature	338 to 360	°C
Processing (Melt) Temp	343 to 371	°C
Mold Temperature	132 to 160	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

