

QR Resin QR-4100-GF30

Polyphenylene Ether + PS

QTR, Inc.

Message:

QR Resin QR-4100-GF30 is a Polyphenylene Ether + PS (PPE+PS) product filled with 30% glass fiber. It is available in North America.

Characteristics include:

Good Stiffness

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Stiffness		
	High Heat Resistance		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	103	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength (Yield)	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	96	J/m	
23°C	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	157	°C	
1.8 MPa, Unannealed	135	°C	
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	266 to 304	°C	
Middle Temperature	271 to 310	°C	
Front Temperature	293 to 316	°C	
Nozzle Temperature	293 to 316	°C	

Processing (Melt) Temp	293 to 316	°C
Mold Temperature	76.7 to 104	°C

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Recommended distributors for this material

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