

QR Resin QR-4100-GF20

Polyphenylene Ether + PS

QTR, Inc.

Message:

QR Resin QR-4100-GF20 is a Polyphenylene Ether + PS (PPE+PS) product filled with 20% glass fiber. It is available in North America.

Characteristics include:

Good Stiffness

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Stiffness		
	High Heat Resistance		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength (Yield)	138	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	143	°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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