

# QR Resin QR-4100-GF10

Polyphenylene Ether + PS

QTR, Inc.

Message:

QR Resin QR-4100-GF10 is a Polyphenylene Ether + PS (PPE+PS) product filled with 10% glass fiber. It is available in North America.

Characteristics include:

Good Stiffness

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Stiffness		
	High Heat Resistance		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	48.9	°C	ASTM D648
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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