

# QR Resin QR-1200-GF10

Polycarbonate Alloy

QTR, Inc.

## Message:

QR Resin QR-1200-GF10 is a Polycarbonate Alloy (PC Alloy) product filled with 10% glass fiber. It is available in North America. Primary characteristic: heat resistant.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	General Purpose		
	High Heat Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	70.0	MPa	ASTM D638
Flexural Modulus	3250	MPa	ASTM D790
Flexural Strength (Yield)	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	76	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	143	°C	
1.8 MPa, Unannealed	138	°C	
Additional Information	Nominal Value	Unit	Test Method
Glass Fiber Content	10	%	ASTM D5630
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	288 to 316	°C	
Middle Temperature	288 to 316	°C	
Front Temperature	288 to 316	°C	
Nozzle Temperature	288 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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