

QR Resin QR-1200-GF20

Polycarbonate + ABS

QTR, Inc.

Message:

QR Resin QR-1200-GF20 is a Polycarbonate + ABS (PC+ABS) product filled with 20% glass fiber. It is available in North America. Primary characteristic: heat resistant.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	General Purpose		
	High Heat Resistance		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26 to 1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 74.5	MPa	ASTM D638
Flexural Modulus	> 6000	MPa	ASTM D790
Flexural Strength (Yield)	> 130	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			ASTM D648
0.45 MPa, Unannealed	> 130	°C	
1.8 MPa, Unannealed	> 116	°C	
Additional Information	Nominal Value	Unit	Test Method
Glass Fiber Content	18 to 22	%	ASTM D5630
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	249 to 260	°C	
Middle Temperature	254 to 266	°C	
Front Temperature	260 to 271	°C	
Nozzle Temperature	266 to 277	°C	

Processing (Melt) Temp	249 to 277	°C
Mold Temperature	37.8 to 65.6	°C

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Recommended distributors for this material

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