

QR Resin QR-2000-GF10

Acrylonitrile Butadiene Styrene

QTR, Inc.

Message:

QR Resin QR-2000-GF10 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 10% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: heat resistant.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	High Heat Resistance		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength (Break)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	98.9	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	188 to 210	°C	
Middle Temperature	204 to 227	°C	
Front Temperature	216 to 238	°C	
Nozzle Temperature	216 to 260	°C	
Processing (Melt) Temp	216 to 260	°C	
Mold Temperature	48.9 to 71.1	°C	

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