

# QR Resin QR-9000-GF30

Polyamide 46

QTR, Inc.

Message:

QR Resin QR-9000-GF30 is a Polyamide 46 (Nylon 46) product filled with 30% glass fiber. It is available in North America.

Characteristics include:

Chemical Resistant

Good Stiffness

Heat Resistant

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Chemical Resistance		
	Good Stiffness		
	Good Strength		
	Heat Stabilized		
	High Heat Resistance		
	Oil Resistant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ASTM D638
Tensile Strength (Break)	149	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	9170	MPa	ASTM D790
Flexural Strength (Break)	216	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	61	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	279	°C	ASTM D648
Melting Temperature	296	°C	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	

Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	282 to 293	°C
Middle Temperature	293 to 310	°C
Front Temperature	299 to 310	°C
Nozzle Temperature	304	°C
Processing (Melt) Temp	304 to 313	°C
Mold Temperature	82.2 to 149	°C

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#### Recommended distributors for this material

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