

# QR Resin QR-9006-GF40

Polyamide 6

QTR, Inc.

Message:

QR Resin QR-9006-GF40 is a Polyamide 6 (Nylon 6) product filled with 40% glass fiber. It is available in North America.

Characteristics include:

Good Stiffness

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Stiffness		
	Good Strength		
	Heat Stabilized		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	152	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	9510	MPa	ASTM D790
Flexural Strength (Yield)	241	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Melting Temperature	216	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	232 to 288	°C	
Middle Temperature	232 to 288	°C	
Front Temperature	232 to 288	°C	
Nozzle Temperature	232 to 288	°C	
Processing (Melt) Temp	260 to 288	°C	

Mold Temperature	65.6 to 93.3	°C
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#### Recommended distributors for this material

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