

QR Resin QR-4000-GF30

Polyphenylene Ether + PS + Nylon

QTR, Inc.

Message:

QR Resin QR-4000-GF30 is a Polyphenylene Ether + PS + Nylon (PPE+PS+Nylon) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Chemical Resistant

Good Stiffness

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Stiffness		
	High Heat Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	155	MPa	ASTM D638
Flexural Modulus	8550	MPa	ASTM D790
Flexural Strength (Yield)	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	64	J/m	
23°C	96	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	254	°C	
1.8 MPa, Unannealed	241	°C	
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	266 to 304	°C	
Middle Temperature	271 to 304	°C	
Front Temperature	277 to 304	°C	

Nozzle Temperature	282 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	76.7 to 121	°C

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Recommended distributors for this material

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