

QR Resin QR-3000-GF30

Polyethylene Terephthalate

QTR, Inc.

Message:

QR Resin QR-3000-GF30 is a Polyethylene Terephthalate (PET) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Good Dimensional Stability

Good Stiffness

Heat Resistant

High Strength

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability Good Stiffness High Heat Resistance High Strength		
Appearance	Black Colors Available Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	107	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6830	MPa	ASTM D790
Flexural Strength (Break)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	121	°C	
Drying Time	3.0 to 8.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	238 to 254	°C	

Middle Temperature	243 to 260	°C
Front Temperature	249 to 266	°C
Nozzle Temperature	243 to 260	°C
Processing (Melt) Temp	249 to 266	°C
Mold Temperature	65.6 to 87.8	°C

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