



# QR-8000-GFR30

## Glass Filled PBT

2301 St. Joseph Industrial Park Drive Evansville, IN 47720 Phone 812/429-0901 Fax 812/429-0905 www.customcompounding.com

<p>Appearance</p> <p>Features</p> <p>Flame Packages available as:</p> <p>Filler/Additive</p>	<p>Min. Thickness: 0.0625 in.</p>	<p><u>General Description</u>          Natural or Black Color          Custom Colors Available</p> <p>Injection Grade          Fast Cycle          Good Dimensional Stability</p> <p>94V-0, 94-5VA (PO Specified)</p> <p>30% Glass</p>
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<u>Property</u>	<u>Method</u>	<u>Value</u>	<u>Unit</u>
<i>-Mechanical</i>			
Flex Modulus	ASTM D790	990,000	psi
Flex Strength @ Break	ASTM D790	24,300	psi
Notched Izod Impact, 73°F	ASTM D256	.8	ft.lbs/in
Unnotched Izod Impact, 73°F	ASTM D256	11.0(partial break)	ft.lbs/in
Tensile Strength @ Break	ASTM D638	15,300	psi
<i>-Thermal</i>			
Deflection Temp @ 264 psi	ASTM D648	400	°F
Deflection Temp @ 66 psi	ASTM D648	420	°F

These test results are based on reliable procedures. Due to variable conditions and methods of processing, no guarantees or warranties are expressed or implied including the implied warranty of merchantability and fitness for particular use. The above information is not to be construed as a license or a recommendation to infringe on any patents.

### *-Injection Molding*

#### Drying Conditions

Min 3 hours – Max 6 hours      250      °F

#### Cylinder

Rear      470-510      °F

Middle      480-520      °F

Front      490-530      °F

Nozzle      480-520      °F

#### Mold

Maximum      190      °F

Minimum      150      °F

Processing Temp      490-530      °F

Maximum Moisture Content      0.02      %

**QS-9000 Registered**



The guidelines listed above are based on specimens at various thicknesses typical in manufacturing. These values are not intended to be used for specification purposes. These are recommended starting parameters. The equipment part design and tooling will influence final process parameters. The percent recycle is dependent on part design, wall thickness, process, and final performance requests.