



# QR-2000-GF10

## Glass Filled ABS

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Appearance	<u>General Description</u> Natural Color Custom Colors Available
Features	Injection Grade High Heat Resistance
Filler/Additive	10% Glass

<u>Property</u>	<u>Method</u>	<u>Value</u>	<u>Unit</u>
<i>-Physical</i>			
Specific Gravity	ASTM D792	1.1	
<i>-Mechanical</i>			
Flex Modulus	ASTM D790	450,000	psi
Flex Strength @ Break	ASTM D790	10,000	psi
Notched Izod Impact, 73°F	ASTM D256	1.0	ft.lbs/in
Tensile Strength @ Yield	ASTM D638	7,000	psi
Tensile Elongation @ Break	ASTM D638	3	%
<i>-Thermal</i>			
Deflection Temp @ 264 psi	ASTM D648	210	°F
Deflection Temp @ 66 psi	ASTM D648	220	°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 2 hours – Max 4 hours      200      °F

#### Cylinder

Rear      370-410      °F

Middle      400-440      °F

Front      420-460      °F

Nozzle      420-500      °F

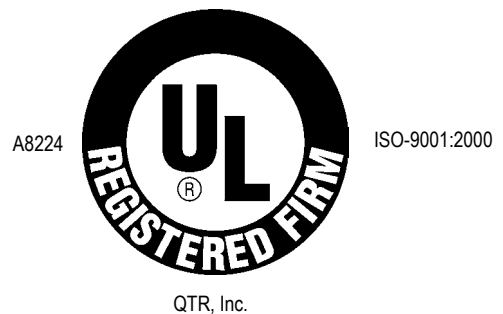
#### Mold

Maximum      160      °F

Minimum      120      °F

Processing Temp      420-500      °F

ISO9001:2000 Registered



QTR, Inc.

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.