



# QR-1220IM

## PC/ABS Alloy

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Appearance	<u>General Description</u> Natural/Black Color Custom Colors Available
Features	High Impact (Ambient and Low Temp) Injection Grade High Heat Resistance
Filler/Additive	No

<u>Property</u>	<u>Method</u>	<u>Value</u>	<u>Unit</u>
<i>-Physical</i>			
Specific Gravity	ASTM D792	1.13	
Melt Flow Rate, 260°C/ 5.0 kg	ASTM D1238	18 (+/- 15%)	g/10min
Mold Shrink, Linear Flow (0.125)	ASTM D955	0.006	in/in
<i>-Mechanical</i>			
Flex Modulus	ASTM D790	327,000	psi
Flex Strength @ Yield	ASTM D790	12,300	psi
Notched Izod Impact, 73°F	ASTM D256	10	ft.lbs/in
- Low Temp (-22°F)	ASTM D256	8	ft.lbs/in
Tensile Strength @ Yield	ASTM D638	7,540	psi
Tensile Elongation	ASTM D638	150	%
<i>-Thermal</i>			
Deflection Temp @ 264 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 3 hours – Max 8 hours      220      °F

ISO9001:2000 Registered

#### Cylinder

Rear      475-540      °F

Middle      480-560      °F

Front      500-570      °F

Nozzle      520-570      °F

#### Mold

Maximum      190      °F

Minimum      140      °F

Processing Temp      520-560      °F



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.