

QR Resin QR-1008

Polycarbonate

QTR, Inc.

Message:

Available with UV (V) or Release (R).

General Information	
Features	High Impact Resistance
Appearance	Colors Available
	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.1	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	138	°C	
1.8 MPa, Unannealed	132	°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	282 to 304	°C	
Middle Temperature	293 to 316	°C	
Front Temperature	304 to 327	°C	
Nozzle Temperature	299 to 321	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	82.2 to 116	°C	

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Recommended distributors for this material

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