

QR Resin QR-1310

Polycarbonate + Polyester

QTR, Inc.

Message:

QR-1310 is available with UV (V) or Release (R).

General Information			
Additive	Mold Release		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Impact Resistance		
	Good Mold Release		
Uses	Automotive Applications		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/3.8 kg	12	g/10 min	
260°C/5.0 kg	30	g/10 min	
Molding Shrinkage - Flow (3.18 mm)	0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.3	MPa	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength (Yield)	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	270	J/m	
23°C	640	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	98.9	°C	
Injection	Nominal Value	Unit	

Drying Temperature	104	°C
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Rear Temperature	246 to 271	°C
Middle Temperature	254 to 274	°C
Front Temperature	260 to 282	°C
Nozzle Temperature	260 to 274	°C
Processing (Melt) Temp	260 to 282	°C
Mold Temperature	60.0 to 93.3	°C

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Recommended distributors for this material

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