

QR Resin QR-1220LG

Polycarbonate + ABS

QTR, Inc.

Message:

QR Resin QR-1220LG is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in North America. Typical application: Automotive.
Characteristics include:
Impact Resistant
Low Gloss

General Information			
Features	Good Impact Resistance		
	Low Gloss		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	53.8	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength (Yield)	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	104	°C	
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	249 to 282	°C	
Middle Temperature	254 to 288	°C	

Front Temperature	260 to 296	°C
Nozzle Temperature	271 to 296	°C
Processing (Melt) Temp	271 to 299	°C
Mold Temperature	60.0 to 82.2	°C

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Recommended distributors for this material

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