

QR Resin QR-1220P

Polycarbonate + ABS

QTR, Inc.

Message:

QR Resin QR-1220P is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Impact Resistant

Heat Resistant

General Information			
Features	High Heat Resistance		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Platable		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	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)	49.0	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	4.0 to 8.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	246 to 282	°C	
Middle Temperature	249 to 288	°C	

Front Temperature	260 to 288	°C
Nozzle Temperature	260 to 288	°C
Processing (Melt) Temp	260 to 288	°C
Mold Temperature	60.0 to 93.3	°C

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Recommended distributors for this material

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