

QR Resin QR-1220IM

Polycarbonate Alloy

QTR, Inc.

Message:

QR Resin QR-1220IM is a Polycarbonate Alloy (PC Alloy) product. It is available in North America.

Characteristics include:

Impact Resistant

Heat Resistant

Impact Modified

General Information			
Additive	Impact Modifier		
Features	High Heat Resistance		
	High Impact Resistance		
	Impact Modified		
	Low Temperature Impact Resistance		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	52.0	MPa	ASTM D638
Tensile Elongation (Yield)	150	%	ASTM D638
Flexural Modulus	2250	MPa	ASTM D790
Flexural Strength (Yield)	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	430	J/m	
23°C	530	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	3.0 to 8.0	hr	
Drying Time, Maximum	8.0	hr	

Rear Temperature	246 to 282	°C
Middle Temperature	249 to 293	°C
Front Temperature	260 to 299	°C
Nozzle Temperature	271 to 299	°C
Processing (Melt) Temp	271 to 293	°C
Mold Temperature	60.0 to 87.8	°C

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Recommended distributors for this material

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