

QR Resin QR-1018IM

Polycarbonate

QTR, Inc.

Message:

QR-1018IM is available with UV (V) or Release (R).

General Information			
Additive	Impact Modifier		
	Mold Release		
	UV Stabilizer		
Features	Good Flow		
	Good Processability		
	High Impact Resistance		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
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)	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)	57.2	MPa	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength (Yield)	87.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed	132	°C	
1.8 MPa, Unannealed	127	°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0 to 8.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	254 to 277	°C	

Middle Temperature	266 to 288	°C
Front Temperature	277 to 299	°C
Nozzle Temperature	271 to 293	°C
Processing (Melt) Temp	271 to 293	°C
Mold Temperature	71.1 to 93.3	°C

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Recommended distributors for this material

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