

QR Resin QR-0102

Acrylonitrile Styrene Acrylate

QTR, Inc.

Message:

QR Resin QR-0102 is an Acrylonitrile Styrene Acrylate (ASA) product. It is available in North America.

Characteristics include:

Good Toughness

Good UV Resistance

Good Weather Resistance

Impact Resistant

General Information			
Features	Good Impact Resistance		
	Good Toughness		
	Good UV Resistance		
	Good Weather Resistance		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05 to 1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Yield)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	82.2	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	232 to 271	°C	
Middle Temperature	232 to 271	°C	
Front Temperature	232 to 271	°C	

Nozzle Temperature	238 to 282	°C
Processing (Melt) Temp	238 to 288	°C
Mold Temperature	43.3 to 71.1	°C

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Recommended distributors for this material

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