

QR Resin QR-2005IM

Acrylonitrile Butadiene Styrene

QTR, Inc.

Message:

Available with either high or low gloss.

General Information			
Features	High Impact Resistance		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.1	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	64	J/m	
23°C	370	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	85.0	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	188 to 210	°C	
Middle Temperature	204 to 227	°C	
Front Temperature	216 to 238	°C	
Nozzle Temperature	216 to 260	°C	
Processing (Melt) Temp	216 to 260	°C	
Mold Temperature	48.9 to 71.1	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

