

QR Resin QR-4165

Polyphenylene Ether + PS

QTR, Inc.

Message:

Flame Package available as: 94V-0 (0.24")/ 94V-1 (0.0625")

General Information			
Features	Flame Retardant		
	Good Toughness		
Appearance	Black		
	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.1	MPa	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength (Yield)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-29°C	96	J/m	
23°C	160	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	141	°C	
1.8 MPa, Unannealed	121	°C	
Injection	Nominal Value	Unit	
Drying Temperature	104 to 113	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	193 to 204	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	238 to 249	°C	

Nozzle Temperature	238 to 249	°C
Processing (Melt) Temp	227 to 249	°C
Mold Temperature	65.6 to 93.3	°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

