

QR Resin QR-4000-(S)

Polyphenylene Ether + Nylon 66

QTR, Inc.

Message:

QR Resin QR-4000-(S) is a Polyphenylene Ether + Nylon 66 (PPE+Nylon 66) product. It is available in North America.

Characteristics include:

- Chemical Resistant
- Ductile
- Good Dimensional Stability
- Heat Resistant

General Information			
Features	Ductile		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Thermal Stability		
	Paintable		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Yield)	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	154	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 107	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	6.0	hr	

Suggested Max Moisture	0.020	%
Rear Temperature	260 to 299	°C
Middle Temperature	266 to 299	°C
Front Temperature	271 to 299	°C
Nozzle Temperature	277 to 299	°C
Processing (Melt) Temp	277 to 299	°C
Mold Temperature	65.6 to 93.3	°C

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