

Technical Data Sheet

QR Resin QR-9066

Polyamide 66
Engineering Plastics

General			
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	11200 psi	77.2 MPa	ASTM D638
Tensile Elongation (Break)	40 %	40 %	ASTM D638
Flexural Modulus	396000 psi	2730 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.0 ft·lb/in	53 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	160 °F	71.1 °C	ASTM D648
Melting Temperature	513 °F	267 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	140 °F	60 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Rear Temperature	500 to 550 °F	260 to 288 °C
Middle Temperature	500 to 550 °F	260 to 288 °C
Front Temperature	520 to 550 °F	271 to 288 °C
Nozzle Temperature	530 to 580 °F	277 to 304 °C
Processing (Melt) Temp	530 to 580 °F	277 to 304 °C
Mold Temperature	150 to 200 °F	66 to 93 °C

Notes

These are typical property values not to be construed as specification limits.