Technical Data Sheet

Qr Resin QR-1220P

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

General			
Features	• High Heat Resistance • High Impact Resistance	• Low Temperature Impact Resistance • Platable	
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.11	1.11 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°c/5.0 Kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	7100 psi	49.0 MPa	ASTM D638
Tensile Elongation (Break)	150 %	150 %	ASTM D638
Flexural Modulus	300000 psi	2070 MPa	ASTM D790
Flexural Strength (Yield)	10000 psi	68.9 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	8.0 ft·lb/in	430 J/m	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	195 °F	90.6 °C	

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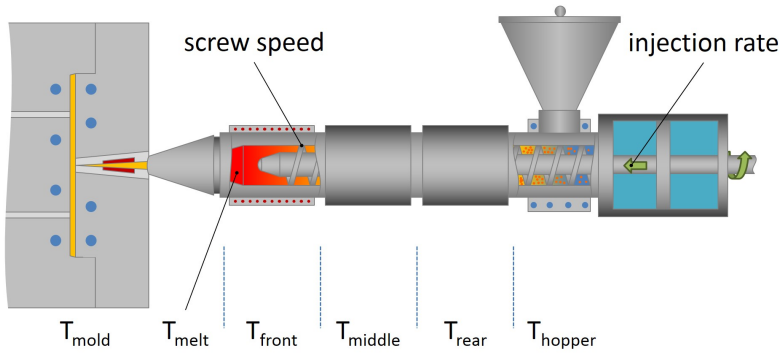

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	165 °F	74 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Drying Time, Maximum	4.0 hr	4.0 hr
Rear Temperature	440 to 490 °F	227 to 254 °C
Middle Temperature	470 to 520 °F	243 to 271 °C
Front Temperature	470 to 520 °F	243 to 271 °C
Nozzle Temperature	470 to 520 °F	243 to 271 °C
Processing (Melt) Temp	480 to 500 °F	249 to 260 °C
Mold Temperature	100 to 160 °F	38 to 71 °C

Notes

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