Technical Data Sheet

Qr Resin QR-2008-FR

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

Product Description
Available with UV (V) or Release (R).
Flame Packages Available (0.0625 in min. thickness): 94V-2, 94V-0, 94-5VA

General		
Features	• Good Processability	
Appearance	• Colors Available	• Natural Color
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.21	1.21 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/3.8 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	5700 psi	39.3 MPa	ASTM D638
Flexural Modulus	339000 psi	2340 MPa	ASTM D790
Flexural Strength (Yield)	9200 psi	63.4 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	3.0 ft·lb/in	160 J/m	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	170 °F	76.7 °C	
264 Psi (1.8 Mpa), Unannealed	165 °F	73.9 °C	

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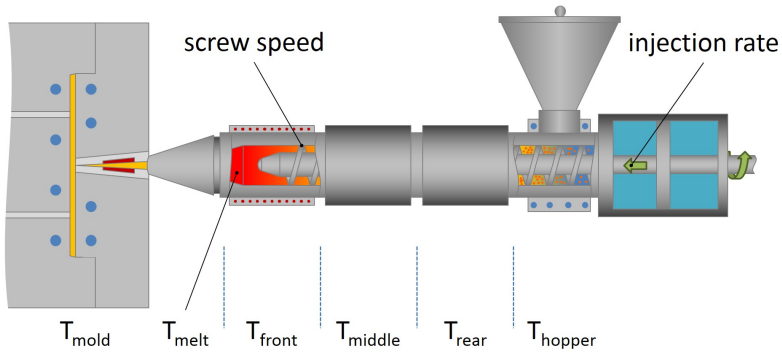

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Drying Time	3.0 to 6.0 hr	3.0 to 6.0 hr
Drying Time, Maximum	6.0 hr	6.0 hr
Rear Temperature	330 to 360 °F	166 to 182 °C
Middle Temperature	380 to 400 °F	193 to 204 °C
Front Temperature	400 to 420 °F	204 to 216 °C
Nozzle Temperature	380 to 440 °F	193 to 227 °C
Processing (Melt) Temp	380 to 450 °F	193 to 232 °C
Mold Temperature	120 to 160 °F	49 to 71 °C

Notes

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