

Technical Data Sheet

Qr Resin QR-6012-NAT

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description

QR-6012-NAT is an Unfilled Polypropylene Homopolymer

General

Features	• Homopolymer
Appearance	• Natural Color
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	228000 psi	1570 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.80 ft·lb/in	43 J/m	ASTM D256

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	300 °F	149 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Drying Time, Maximum	6.0 hr	6.0 hr
Rear Temperature	610 to 650 °F	321 to 343 °C
Middle Temperature	620 to 670 °F	327 to 354 °C
Front Temperature	650 to 700 °F	343 to 371 °C
Nozzle Temperature	640 to 680 °F	338 to 360 °C
Processing (Melt) Temp	650 to 700 °F	343 to 371 °C
Mold Temperature	270 to 320 °F	132 to 160 °C

Notes

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