

QR Resin QR-1221-IM
(PC+ABS)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	16	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0	%	ISO 294-4, 2577
Molding shrinkage, normal	0	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2360	MPa	ISO 527
Yield stress	23.3	MPa	ISO 527
Strain at break	140	%	ISO 527
Charpy notched impact strength, +23°C	140	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	44	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Vicat softening temperature, B	119	°C	ISO 306
Coeff. of linear therm. expansion, parallel	67	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Other properties			
Density	1140	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	4 - 8	h	-
Melt temperature	260 - 288	°C	-
Mold temperature	60 - 93	°C	-
Zone 1	246 - 282	°C	-
Zone 2	249 - 288	°C	-
Zone 3	260 - 288	°C	-
Nozzle temperature	260 - 288	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Features

High Gloss

Applications

Automotive

Regional Availability

North America