

QR Resin QR-1220LG
(PC+ABS)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	53.8	MPa	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	2280	MPa	ASTM D 790
Izod Impact notched, 1/8 in	480	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	116	°C	ASTM D 648
DTUL @ 264 psi	104	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	74	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	249 - 260	°C	-
Mold temperature	38 - 71	°C	-
Zone 1	227 - 254	°C	-
Zone 2	243 - 271	°C	-
Zone 3	243 - 271	°C	-
Nozzle temperature	243 - 271	°C	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Delivery form

Pellets, Black, Natural Color

Regional Availability

North America

Special Characteristics

High impact or impact modified