

QR Resin QR-1018IM-FR R

PC

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Flexural Modulus	2230	MPa	ASTM D 790
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	430	J/m	ASTM D 256
Temperature	-29	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	132	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	282 - 299	°C	-
Mold temperature	71 - 93	°C	-
Zone 1	260 - 282	°C	-
Zone 2	271 - 293	°C	-
Zone 3	282 - 304	°C	-
Nozzle temperature	277 - 299	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Additives

Release agent

Special Characteristics

Flame retardant, High impact or impact modified

Applications

Automotive

Regional Availability

North America