

QR Resin QR-1018IM V

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	57.2	MPa	ASTM D 638
Elongation at Break	110	%	ASTM D 638
Flexural Modulus	2210	MPa	ASTM D 790
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	132	°C	ASTM D 648
DTUL @ 264 psi	127	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4 - 8	h	-
Melt temperature	271 - 293	°C	-
Mold temperature	71 - 93	°C	-
Zone 1	254 - 277	°C	-
Zone 2	266 - 288	°C	-
Zone 3	277 - 299	°C	-
Nozzle temperature	271 - 293	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Applications

Automotive

Regional Availability

North America