

QR Resin QR-1815IM(LT)V
(PC+PBT)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	51.7	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	1900	MPa	ASTM D 790
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	430	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	104	°C	ASTM D 648
DTUL @ 264 psi	90.6	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	254 - 277	°C	-
Mold temperature	38 - 82	°C	-
Zone 1	243 - 266	°C	-
Zone 2	249 - 271	°C	-
Zone 3	249 - 271	°C	-
Nozzle temperature	249 - 271	°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

Chemical Resistance

General Chemical Resistance

Regional Availability

North America