

QR Resin QR-2008-FR R

ABS

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	39.3	MPa	ASTM D 638
Flexural Modulus	2340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	76.7	°C	ASTM D 648
DTUL @ 264 psi	73.9	°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	82	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	193 - 232	°C	-
Mold temperature	49 - 71	°C	-
Zone 1	166 - 182	°C	-
Zone 2	193 - 204	°C	-
Zone 3	204 - 216	°C	-
Nozzle temperature	193 - 227	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Additives

Release agent

Special Characteristics

Flame retardant

Regional Availability

North America