

QR Resin QR-2010

ABS

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	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	52.4	MPa	ASTM D 638
Flexural Modulus	2450	MPa	ASTM D 790
Izod Impact notched, 1/8 in	270	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	96.1	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	93	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	232 - 271	°C	-
Mold temperature	49 - 82	°C	-
Zone 1	193 - 232	°C	-
Zone 2	210 - 249	°C	-
Zone 3	221 - 249	°C	-
Nozzle temperature	232 - 271	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Delivery form

Pellets, Natural Color