

QR Resin QR-2005IM

ABS

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	44.1	MPa	ASTM D 638
Flexural Modulus	2340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	370	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	64	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
ASTM Data			
DTUL @ 66 psi	93.3	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Other properties			
Density	1040	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	93	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	216 - 260	°C	-
Mold temperature	49 - 71	°C	-
Zone 1	188 - 210	°C	-
Zone 2	204 - 227	°C	-
Zone 3	216 - 238	°C	-
Nozzle temperature	216 - 260	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Pellets, Natural Color

Regional Availability

North America