

QR Resin QR-8000

PBT

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	49	MPa	ASTM D 638
Flexural Modulus	2240	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	143	°C	ASTM D 648
DTUL @ 264 psi	46.1	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1310	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	238 - 254	°C	-
Mold temperature	49 - 77	°C	-
Zone 1	227 - 243	°C	-
Zone 2	323 - 249	°C	-
Zone 3	238 - 254	°C	-
Nozzle temperature	232 - 249	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black, Natural Color

Chemical Resistance

General Chemical Resistance

Regional Availability

North America