

QR Resin QR-3000

PET

LyondellBasell Industries

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	48.3	MPa	ASTM D 638
Flexural Modulus	2070	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	65.6	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 8	h	-
Melt temperature	249 - 266	°C	-
Mold temperature	66 - 88	°C	-
Zone 1	238 - 254	°C	-
Zone 2	243 - 260	°C	-
Zone 3	249 - 266	°C	-
Nozzle temperature	243 - 260	°C	-

Characteristics**Processing**

Injection Molding

Chemical Resistance

General Chemical Resistance

Delivery form

Pellets, Black, Natural Color

Regional Availability

North America