

QR Resin QR-5000

PEI

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	103	MPa	ASTM D 638
Flexural Modulus	3170	MPa	ASTM D 790
Izod Impact notched, 1/8 in	43	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	206	°C	ASTM D 648
DTUL @ 264 psi	193	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	343 - 371	°C	-
Mold temperature	132 - 160	°C	-
Zone 1	321 - 343	°C	-
Zone 2	327 - 354	°C	-
Zone 3	343 - 371	°C	-
Nozzle temperature	338 - 360	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Regional Availability

North America