

QR Resin QR-5000-GF30

PEI-GF30

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	155	MPa	ASTM D 638
Flexural Modulus	8270	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	216	°C	ASTM D 648
DTUL @ 264 psi	210	°C	ASTM D 648
Other properties			
Density	1500	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	366 - 388	°C	-
Mold temperature	135 - 163	°C	-
Zone 1	343 - 366	°C	-
Zone 2	354 - 377	°C	-
Zone 3	366 - 388	°C	-
Nozzle temperature	360 - 382	°C	-

Characteristics**Processing**

Injection Molding

Chemical Resistance

General Chemical Resistance

Delivery form

Pellets, Natural Color

Regional Availability

North America

Special Characteristics

Heat stabilized or stable to heat