

QR Resin QR-8000-GF20

PBT-GF20

LyondellBasell Industries

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	100	MPa	ASTM D 638
Elongation at Yield	2.7	%	ASTM D 638
Flexural Modulus	5520	MPa	ASTM D 790
Izod Impact notched, 1/8 in	59	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	204	°C	ASTM D 648

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	249 - 271	°C	-
Mold temperature	66 - 93	°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

Regional Availability

North America

Delivery form

Pellets, Black, Natural Color