

QR Resin QR-4100-GF20

(PPE+PS)-GF20

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	89.6	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	5170	MPa	ASTM D 790
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	96	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
ASTM Data			
DTUL @ 66 psi	143	°C	ASTM D 648
DTUL @ 264 psi	135	°C	ASTM D 648
Other properties			
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	293 - 316	°C	-
Mold temperature	77 - 104	°C	-
Zone 1	266 - 304	°C	-
Zone 2	271 - 310	°C	-
Zone 3	293 - 316	°C	-
Nozzle temperature	293 - 316	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets, Black

Regional Availability

North America