

QR Resin QR-4100-GF10

(PPE+PS)-GF10

LyondellBasell Industries

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58.6	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	3450	MPa	ASTM D 790
Flexural Strength	93.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	75	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	48.9	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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