

QR Resin QR-4000-GF10

(PPE+PS+PA*)-GF10

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	66.2	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	2900	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	53	J/m	ASTM D 256
Temperature	-29	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	232	°C	ASTM D 648
DTUL @ 264 psi	177	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	4 - 8	h	-
Melt temperature	282 - 299	°C	-
Mold temperature	77 - 116	°C	-
Zone 1	266 - 299	°C	-
Zone 2	271 - 299	°C	-
Zone 3	277 - 299	°C	-
Nozzle temperature	282 - 299	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

North America