

QR Resin QR-9046-GF15

PA46-GF15

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	5800	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	5500	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	254	°C	ASTM D 648
Melting Temperature	304	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	304 - 313	°C	-
Mold temperature	82 - 149	°C	-
Zone 1	282 - 293	°C	-
Zone 2	293 - 310	°C	-
Zone 3	299 - 310	°C	-
Nozzle temperature	304	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Oil Resistance

Regional Availability

North America