

QR Resin QR-9000-GF30

PA46-GF30

LyondellBasell Industries

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 10500 | MPa | ASTM D 638 |
| Tensile Strength at Break | 149 | MPa | ASTM D 638 |
| Elongation at Break | 2.5 | % | ASTM D 638 |
| Flexural Modulus | 9170 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 61 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| DTUL @ 264 psi | 279 | °C | ASTM D 648 |
| Melting Temperature | 296 | °C | ASTM D 3418 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1500 | 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

Black, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Oil Resistance

Regional Availability

North America