

QR Resin QR-1220HF V

PC

LyondellBasell Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 20 | g/10min | ASTM D 1238 |
| Temperature | 260 | °C | - |
| Load | 5 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 55.8 | MPa | ASTM D 638 |
| Flexural Modulus | 2410 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 530 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 129 | °C | ASTM D 648 |
| DTUL @ 264 psi | 113 | °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 | 74 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 249 - 260 | °C | - |
| Mold temperature | 38 - 71 | °C | - |
| Zone 1 | 227 - 254 | °C | - |
| Zone 2 | 243 - 271 | °C | - |
| Zone 3 | 243 - 271 | °C | - |
| Nozzle temperature | 243 - 271 | °C | - |

Characteristics**Delivery form**

Pellets, Black, Natural Color

Features

Good Adhesion

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America