

**QR Resin QR-4000-GF30**

(PPE+PS+PA\*)-GF30

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>155</b>	MPa	ASTM D 638
Flexural Modulus	<b>8550</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>96</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>64</b>	J/m	ASTM D 256
Temperature	<b>-30</b>	°C	-
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>254</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>241</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1330</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>107</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>282 - 304</b>	°C	-
Mold temperature	<b>77 - 121</b>	°C	-
Zone 1	<b>266 - 304</b>	°C	-
Zone 2	<b>271 - 304</b>	°C	-
Zone 3	<b>277 - 304</b>	°C	-
Nozzle temperature	<b>282 - 304</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

General Chemical Resistance

**Delivery form**

Pellets, Black

**Regional Availability**

North America

**Special Characteristics**

Heat stabilized or stable to heat