

**QR Resin QR-1805IMLM**  
(PC+Polyester)

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8</b>	g/10min	ASTM D 1238
Temperature	<b>266</b>	°C	-
Load	<b>5</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>56.2</b>	MPa	ASTM D 638
Elongation at Break	<b>160</b>	%	ASTM D 638
Flexural Modulus	<b>2050</b>	MPa	ASTM D 790
Flexural Strength	<b>80</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>800</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>111</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>998</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>110</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>260 - 277</b>	°C	-
Mold temperature	<b>66 - 88</b>	°C	-
Zone 1	<b>243 - 266</b>	°C	-
Zone 2	<b>249 - 271</b>	°C	-
Zone 3	<b>254 - 277</b>	°C	-
Nozzle temperature	<b>254 - 271</b>	°C	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Black, Natural Color

**Special Characteristics**

High impact or impact modified

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

North America