

**Matrixx P65E0**

PA6

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>0.021</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>46.2</b>	MPa	ASTM D 638
Flexural Modulus	<b>1790</b>	MPa	ASTM D 790
Gardner Impact	<b>36.2</b>	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	<b>800</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
<b>Other properties</b>			
Density	<b>1070</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>82</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>238 - 271</b>	°C	-
Mold temperature	<b>60 - 82</b>	°C	-
Zone 1	<b>243 - 282</b>	°C	-
Zone 2	<b>243 - 282</b>	°C	-
Zone 3	<b>243 - 282</b>	°C	-
Back pressure	<b>&lt;0.345</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Pellets

**Regional Availability**

North America