

**Matrixx FP63E45**

PA6-GF45

LyondellBasell Industries

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>165</b>	MPa	ASTM D 638
Flexural Modulus	<b>11000</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>80</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 @ 66 psi	<b>210</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>202</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1500</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>71 - 93</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>249 - 282</b>	°C	-
Mold temperature	<b>71 - 82</b>	°C	-
Zone 1	<b>249 - 271</b>	°C	-
Zone 2	<b>249 - 282</b>	°C	-
Zone 3	<b>249 - 282</b>	°C	-
Back pressure	<b>&lt;0.345</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Delivery form**

Pellets