

**Matrixx FP62E33**

PA6-GF33

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>152</b>   | MPa         | ASTM D 638           |
| Flexural Modulus             | <b>8270</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>199</b>   | °C          | ASTM D 648           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1380</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>82 - 93</b>   | °C          | -                    |
| Zone 1   | <b>249 - 282</b> | °C          | -                    |
| Zone 2   | <b>260 - 282</b> | °C          | -                    |
| Zone 3   | <b>260 - 282</b> | °C          | -                    |
| Back pressure                                      | <b>&lt;0.345</b> | MPa         | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Delivery form**

Pellets