**Technical Data Sheet**

# *Matrixx* F662E33

Polyamide 66
LyondellBasell Industries
Engineering Plastics

| General | |
|---|---|
| Filler / Reinforcement | • Glass Fiber, 33% Filler by Weight |
| Uses | • Industrial Applications |
| Appearance | • Black |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.38 | 1.38 g/cm³ | ASTM D792 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Strength (Yield) | 23000 psi | 159 MPa | ASTM D638 |
| Flexural Modulus - Tangent | 1.20E+6 psi | 8270 MPa | ASTM D790 |
| **Impact** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Notched Izod Impact | 1.3 ft·lb/in | 69 J/m | ASTM D256 |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 Psi (1.8 Mpa), Unannealed | 480 °F | 249 °C | |
| RTI Str | 150 °F | 65.6 °C | UL 746B |
| **Flammability** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Flame Rating (0.06 In (1.5 Mm)) | HB | HB | UL 94 |

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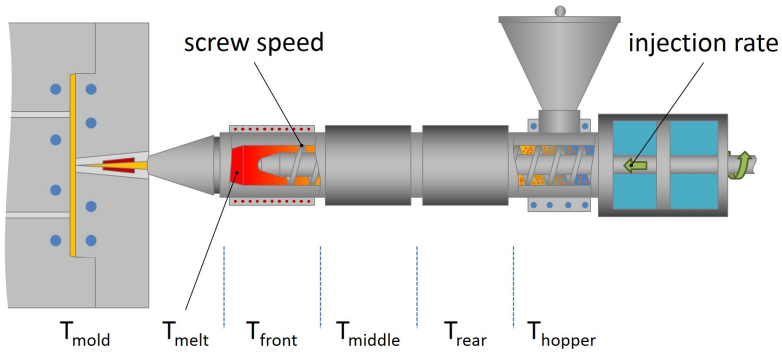


| Injection | Nominal Value (English) | Nominal Value (SI) |
|---|---|---|
| Drying Temperature | 160 to 200 °F | 71 to 93 °C |
| Drying Time | 4.0 to 6.0 hr | 4.0 to 6.0 hr |
| Rear Temperature | 520 to 570 °F | 271 to 299 °C |
| Middle Temperature | 520 to 570 °F | 271 to 299 °C |
| Front Temperature | 520 to 570 °F | 271 to 299 °C |
| Processing (Melt) Temp | 530 to 570 °F | 277 to 299 °C |
| Mold Temperature | 150 to 200 °F | 66 to 93 °C |
| Injection Rate | Moderate-Fast | Moderate-Fast |
| Back Pressure | < 50.0 psi | < 0.345 MPa |
| Cushion | 0.250 to 0.500 in | 6.35 to 12.7 mm |
| **Injection Notes** | | |
| Dessicant dryer with -20°F dewpoint<br>Screw Speed: Slow to Medium | | |

## Notes

These are typical property values not to be construed as specification limits.