

## Technical Data Sheet

### Matrixx P62E0

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

#### Product Description

Unfilled, Medium Impact, Nylon 6

#### General

|                   |                     |
|-------------------|---------------------|
| Forms             | • Pellets           |
| Processing Method | • Injection Molding |

| Physical                   | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|----------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.14                    | 1.14 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                 | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)   | 10800 psi               | 74.5 MPa               | ASTM D638   |
| Flexural Modulus - Tangent | 410000 psi              | 2830 MPa               | ASTM D790   |
| Impact                     | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact        | 1.5 ft·lb/in            | 80 J/m                 | ASTM D256   |

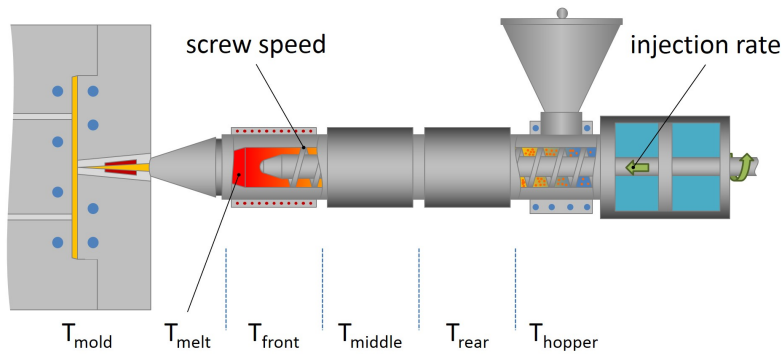
#### Additional Information

1E9G4A/PR1450  
Revision: 5/4/2020

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 180 °F                  | 82 °C              |
| Drying Time            | 4.0 to 6.0 hr           | 4.0 to 6.0 hr      |
| Suggested Max Moisture | 0.10 %                  | 0.10 %             |
| Rear Temperature       | 470 to 520 °F           | 243 to 271 °C      |
| Middle Temperature     | 470 to 520 °F           | 243 to 271 °C      |
| Front Temperature      | 470 to 520 °F           | 243 to 271 °C      |
| Processing (Melt) Temp | 460 to 520 °F           | 238 to 271 °C      |
| Mold Temperature       | 140 to 180 °F           | 60 to 82 °C        |
| Injection Rate         | Moderate                | Moderate           |
| Back Pressure          | < 50.0 psi              | < 0.345 MPa        |
| Cushion                | 0.125 to 0.250 in       | 3.18 to 6.35 mm    |

#### Injection Notes

-20°C Dewpoint  
Screw Speed: Medium

#### Notes

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