



Matrixx P64E0HS

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

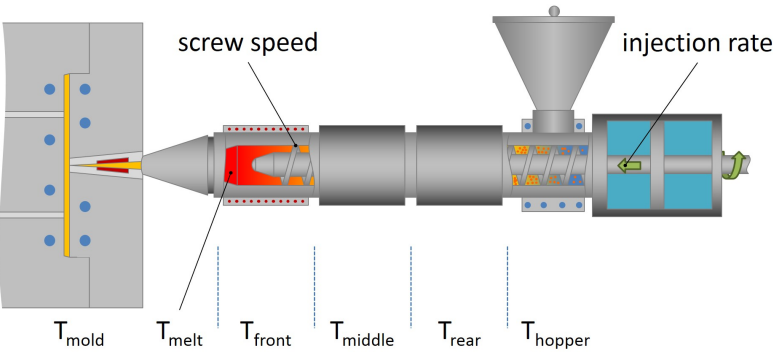
| General           |                                                                                         |  |
|-------------------|-----------------------------------------------------------------------------------------|--|
| Features          | <ul style="list-style-type: none"><li>Heat Stabilized</li><li>Impact Modified</li></ul> |  |
| Forms             | <ul style="list-style-type: none"><li>Pellets</li></ul>                                 |  |
| Processing Method | <ul style="list-style-type: none"><li>Injection Molding</li></ul>                       |  |

| Physical                          | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity        | 1.11                    | 1.11 g/cm³         | ASTM D792   |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield)          | 8700 psi                | 60.0 MPa           | ASTM D638   |
| Flexural Modulus                  | 335000 psi              | 2310 MPa           | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact               | 3.3 ft-lb/in            | 180 J/m            | ASTM D256   |
| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 285 °F                  | 141 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 126 °F                  | 52.2 °C            |             |



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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      |
| Suggested Max Moisture | 0.10 %                  | 0.10 %             |
| Rear Temperature       | 480 to 520 °F           | 249 to 271 °C      |
| Middle Temperature     | 480 to 540 °F           | 249 to 282 °C      |
| Front Temperature      | 480 to 540 °F           | 249 to 282 °C      |
| Processing (Melt) Temp | 480 to 540 °F           | 249 to 282 °C      |
| Mold Temperature       | 150 to 200 °F           | 66 to 93 °C        |
| Injection Rate         | Fast                    | 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  
Screw Speed: Slow to Medium

Notes

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

