



Polyfort 140-3020

Polypropylene
LyondellBasell Industries
Engineering Plastics

| Product Description | |
|---------------------------------------|--|
| PP 20% Glass Fiber Chemically Coupled | |

| General | |
|------------------------|-------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Features | • Chemically Coupled |
| Processing Method | • Injection Molding |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity | 1.06 | 1.06 g/cm³ | ASTM D792 |

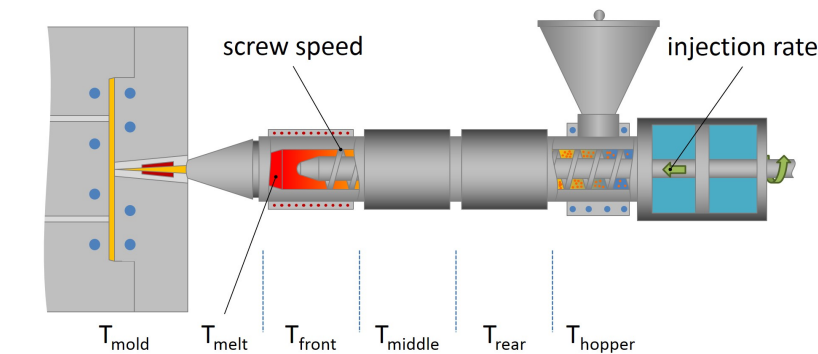
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------------------------|-------------------------|--------------------|-------------|
| Tensile Strength ¹ (Yield) | 1450 psi | 10.0 MPa | ASTM D638 |

| Additional Information | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------|-------------------------|--------------------|-------------|
| Filler Content | 22 % | 22 % | ASTM D5630 |



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| Injection | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature | 176 °F | 80 °C |
| Drying Time | 2.0 to 3.0 hr | 2.0 to 3.0 hr |
| Processing (Melt) Temp | 428 to 500 °F | 220 to 260 °C |
| Mold Temperature | 86 to 140 °F | 30 to 60 °C |
| Injection Rate | Moderate-Fast | Moderate-Fast |

Injection Notes

Polypropylene is not hygroscopic and generally does not require drying. As a good practice and to avoid residual humidity from transport or storage conditions, we recommend drying the material.

Ensure good mold venting

Injection molding parameters also influence emission properties, which are often required for automotive interior applications. Generally speaking, the emission, odor and fogging behavior of finished parts is improved by lowering the melt temperature, reducing residence time and avoiding high shear stress.

Notes

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

