**Technical Data Sheet**

# *Fiberfil* PP-62/MI/25

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

| General | |
|---|---|
| Filler / Reinforcement | • Mica, 25% Filler by Weight |
| Features | • Copolymer |
| Forms | • Pellets |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.07 | 1.07 g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg) | 4.0 g/10 min | 4.0 g/10 min | ASTM D1238 |
| Water Absorption (24 Hr) | 0.10 % | 0.10 % | ASTM D570 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Modulus (73°f (23°c)) | 508000 psi | 3500 MPa | ASTM D638 |
| Tensile Strength (73°f (23°c)) | 4350 psi | 30.0 MPa | ASTM D638 |
| Tensile Elongation (Break, 73°f (23°c)) | 6.0 % | 6.0 % | ASTM D638 |
| Flexural Modulus - Tangent (73°f (23°c)) | 464000 psi | 3200 MPa | ASTM D790 |
| Flexural Strength (73°f (23°c)) | 6000 psi | 41.4 MPa | ASTM D790 |
| **Impact** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Notched Izod Impact | | | ASTM D256 |
| 73°f (23°c), 0.125 In (3.18 Mm) | 1.2 ft·lb/in | 64 J/m | |
| Unnotched Izod Impact | | | ASTM D4812 |
| 73°f (23°c), 0.125 In (3.18 Mm) | 3.9 ft·lb/in | 210 J/m | |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 Psi (1.8 Mpa), Unannealed | 167 °F | 75.0 °C | |

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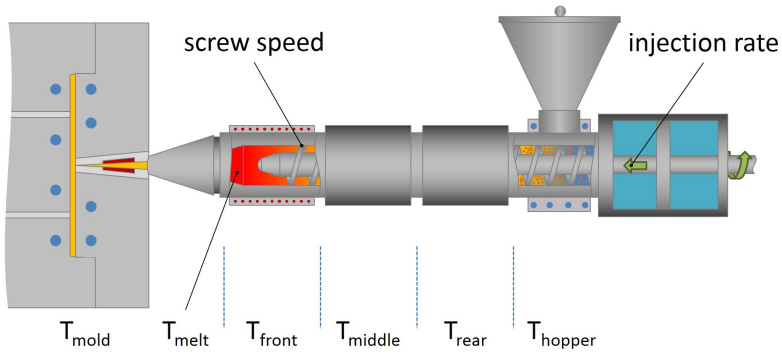


| Injection | Nominal Value (English) | Nominal Value (SI) |
|---|---|---|
| Drying Temperature | 170 °F | 77 °C |
| Drying Time | 2.0 hr | 2.0 hr |
| Suggested Max Moisture | 0.20 % | 0.20 % |
| Rear Temperature | 390 to 410 °F | 199 to 210 °C |
| Middle Temperature | 400 to 440 °F | 204 to 227 °C |
| Front Temperature | 360 to 390 °F | 182 to 199 °C |
| Nozzle Temperature | 360 to 380 °F | 182 to 193 °C |
| Processing (Melt) Temp | 390 to 450 °F | 199 to 232 °C |
| Mold Temperature | 90 to 160 °F | 32 to 71 °C |
| Injection Rate | Slow-Moderate | Slow-Moderate |
| Back Pressure | 0.00 to 100 psi | 0.00 to 0.689 MPa |
| **Injection Notes** | | |
| Screw speed: Medium to Fast | | |

## Notes

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