

Technical Data Sheet

Fiberfil PP-60/VO

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

| General | | | |
|--|-------------------------|-------------------------|-------------|
| Features | • Flame Retardant | • Homopolymer | |
| Forms | • Pellets | | |
| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Density / Specific Gravity | 1.00 | 0.998 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 15 to 20 g/10 min | 15 to 20 g/10 min | ASTM D1238 |
| Water Absorption (24 Hr) | 0.020 % | 0.020 % | ASTM D570 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus (73°F (23°C)) | 260000 psi | 1790 MPa | ASTM D638 |
| Tensile Strength (73°F (23°C)) | 5200 psi | 35.9 MPa | ASTM D638 |
| Tensile Elongation (Yield, 73°F (23°C)) | 25 % | 25 % | ASTM D638 |
| Flexural Modulus - Tangent (73°F (23°C)) | 250000 psi | 1720 MPa | ASTM D790 |
| Flexural Strength (73°F (23°C)) | 6500 psi | 44.8 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm) | 0.50 ft·lb/in | 27 J/m | ASTM D256 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Rockwell Hardness (R-scale) | 90 to 95 | 90 to 95 | ASTM D785 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed | 180 °F | 82.2 °C | ASTM D648 |
| 264 Psi (1.8 Mpa), Unannealed | 160 °F | 71.1 °C | |
| Flammability | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Flame Rating (0.030 In (0.75 Mm)) | V-0 | V-0 | UL 94 |

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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 | 360 to 390 °F | 182 to 199 °C |
| Middle Temperature | 380 to 410 °F | 193 to 210 °C |
| Front Temperature | 370 to 400 °F | 188 to 204 °C |
| Nozzle Temperature | 360 to 380 °F | 182 to 193 °C |
| Processing (Melt) Temp | 380 to 420 °F | 193 to 216 °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: Slow to Medium

Notes

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