**Technical Data Sheet**

# *Fiberfil* J-60/20/E4

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

| General | | |
|---|---|---|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight | |
| Features | • Chemically Coupled | • Homopolymer |
| Forms | • Pellets | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.04 | 1.04 g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg) | 9.0 g/10 min | 9.0 g/10 min | ASTM D1238 |
| Water Absorption (24 Hr) | 0.030 % | 0.030 % | ASTM D570 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Modulus (73°f (23°c)) | 600000 psi | 4140 MPa | ASTM D638 |
| Tensile Strength (73°f (23°c)) | 10000 psi | 68.9 MPa | ASTM D638 |
| Tensile Elongation (Yield, 73°f (23°c)) | 3.5 % | 3.5 % | ASTM D638 |
| Flexural Modulus - Tangent (73°f (23°c)) | 550000 psi | 3790 MPa | ASTM D790 |
| Flexural Strength (73°f (23°c)) | 13500 psi | 93.1 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 | |
| **Hardness** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Rockwell Hardness (R-scale) | 100 to 110 | 100 to 110 | ASTM D785 |
| **Thermal** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 315 °F | 157 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 300 °F | 149 °C | |

**Notes**

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