

Technical Data Sheet

Fiberfil J-60/30/E/NS

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

| General | |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Features | • Chemically Coupled • Homopolymer |
| Agency Ratings | • NSF |
| Forms | • Pellets |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.12 | 1.12 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 6.0 g/10 min | 6.0 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)) | 850000 psi | 5860 MPa | ASTM D638 |
| Tensile Strength (73°F (23°C)) | 12000 psi | 82.7 MPa | ASTM D638 |
| Tensile Elongation (Yield, 73°F (23°C)) | 3.0 % | 3.0 % | ASTM D638 |
| Flexural Modulus - Secant (73°F (23°C)) | 650000 psi | 4480 MPa | ASTM D790 |
| Flexural Strength (73°F (23°C)) | 15500 psi | 107 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) | 1.7 ft·lb/in | 91 J/m | |

| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 105 | 105 | 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 | 305 °F | 152 °C | |

| Additional Information |
|---|
| Rockwell Hardness, ASTM D785, R-Scale: 100 to 110 |

Notes

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