

Fiberfil FPI-15 BK

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

| General                |                                     |  |  |
|------------------------|-------------------------------------|--|--|
| Filler / Reinforcement | • Glass Fiber, 15% Filler by Weight |  |  |
| Appearance             | • Black                             |  |  |
| Forms                  | • Pellets                           |  |  |

| Physical                   | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity | 1.24                    | 1.24 g/cm³         | ASTM D792   |

| Mechanical                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (73°F (23°C))          | 16000 psi               | 110 MPa            | ASTM D638   |
| Flexural Modulus - Secant (73°F (23°C)) | 711000 psi              | 4900 MPa           | ASTM D790   |
| Flexural Strength (73°F (23°C))         | 24800 psi               | 171 MPa            | ASTM D790   |

| Impact                                                 | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact<br>73°F (23°C), 0.125 In (3.18 Mm) | 1.1 ft·lb/in            | 60 J/m             | ASTM D256   |

| Thermal                                                            | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load<br>264 Psi (1.8 Mpa), Unannealed | 392 °F                  | 200 °C             | ASTM D648   |

Notes

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

