

## Technical Data Sheet

**Fiberfil J-60/15/UV/HS**

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

**General**

|                        |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Availability           | • North America                     |
| Filler / Reinforcement | • Glass Fiber, 15% Filler by Weight |
| Additive               | • Heat Stabilizer • UV Stabilizer   |
| Features               | • Heat Stabilized • Homopolymer     |
| Forms                  | • Pellets                           |

| Physical                                               | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                             | 1.00                    | 0.998 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 8.0 g/10 min            | 8.0 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))                          | 400000 psi              | 2760 MPa                | ASTM D638   |
| Tensile Strength (73°F (23°C))                         | 9000 psi                | 62.1 MPa                | ASTM D638   |
| Tensile Elongation (Yield, 73°F (23°C))                | 3.5 %                   | 3.5 %                   | ASTM D638   |
| Flexural Modulus - Tangent (73°F (23°C))               | 377000 psi              | 2600 MPa                | ASTM D790   |
| Flexural Strength (73°F (23°C))                        | 9430 psi                | 65.0 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) | 0.80 ft-lb/in           | 43 J/m                  | ASTM D256   |
| 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                          | 300 °F                  | 149 °C                  |             |
| 264 psi (1.8 MPa), Unannealed                          | 280 °F                  | 138 °C                  |             |

**Notes**

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

**Processing Techniques**

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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