

**Technical Data Sheet****Fiberfil PP-60/L/SI/2 WT 7757**

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

PP-60/L/SI/2 WT 7757 is an Unfilled Polypropylene Homopolymer

**General**

|                   |                      |
|-------------------|----------------------|
| Material Status   | • Commercial: Active |
| Availability      | • North America      |
| Features          | • Homopolymer        |
| Appearance        | • White              |
| Forms             | • Pellets            |
| Processing Method | • Injection Molding  |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                                         | 0.910                   | 0.908 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                          | 5.7 g/10 min            | 5.7 g/10 min            | ASTM D1238  |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength (73°F (23°C))                                     | 4800 psi                | 33.1 MPa                | ASTM D638   |
| Flexural Modulus (73°F (23°C))                                     | 273000 psi              | 1880 MPa                | ASTM D790   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed | 155 °F                  | 68.3 °C                 | ASTM D648   |

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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  |

## 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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