

## Technical Data Sheet

**Fiberfil PP/TC/24/DS/HS**

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

Talc Filled Polypropylene

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Forms           | • Pellets            |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.09                    | 1.09 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 13 g/10 min             | 13 g/10 min            | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (73°F (23°C))            | 5220 psi                | 36.0 MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 20 %                    | 20 %                   | ASTM D638   |
| Flexural Modulus (73°F (23°C))            | 385000 psi              | 2650 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)           | 0.84 ft·lb/in           | 45 J/m                 |             |
| Unnotched Izod Impact                     | 8.7 ft·lb/in            | 470 J/m                | ASTM D4812  |

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 180 °F                  | 82 °C              |
| Drying Time            | 2.0 hr                  | 2.0 hr             |
| Suggested Max Moisture | 0.20 %                  | 0.20 %             |
| Rear Temperature       | 370 to 430 °F           | 188 to 221 °C      |
| Middle Temperature     | 370 to 450 °F           | 188 to 232 °C      |
| Front Temperature      | 370 to 450 °F           | 188 to 232 °C      |
| Nozzle Temperature     | 370 to 450 °F           | 188 to 232 °C      |
| Processing (Melt) Temp | 370 to 450 °F           | 188 to 232 °C      |
| Mold Temperature       | 70 to 120 °F            | 21 to 49 °C        |
| Injection Rate         | Slow-Moderate           | Slow-Moderate      |
| Back Pressure          | 0.00 to 100 psi         | 0.00 to 0.689 MPa  |

### Injection Notes

Screw speed: Medium

### 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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