

## Technical Data Sheet

**Fiberfil PP-60/TC/15/VO/ND**

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

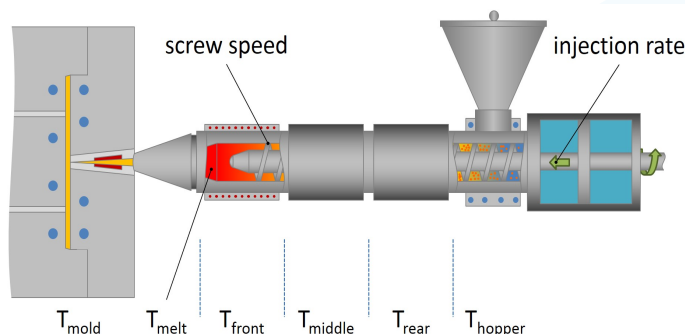
| General                                      |                              |                        |             |
|----------------------------------------------|------------------------------|------------------------|-------------|
| Material Status                              | • Commercial: Active         |                        |             |
| Availability                                 | • North America              |                        |             |
| Filler / Reinforcement                       | • Talc, 15% Filler by Weight |                        |             |
| Additive                                     | • Flame Retardant            |                        |             |
| Features                                     | • Flame Retardant            |                        |             |
| Forms                                        | • Pellets                    |                        |             |
| Processing Method                            | • Injection Molding          |                        |             |
| Physical                                     | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                   | 1.45                         | 1.45 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                   | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Tensile Stress (Yield, 73°F (23°C))          | 3190 psi                     | 22.0 MPa               | ISO 527-2   |
| Tensile Strain (Yield, 73°F (23°C))          | 4.0 %                        | 4.0 %                  | ISO 527-2   |
| Flexural Modulus (73°F (23°C))               | 240000 psi                   | 1650 MPa               | ISO 178     |
| Flexural Stress (73°F (23°C))                | 5500 psi                     | 37.9 MPa               | ISO 178     |
| Impact                                       | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Notched Izod Impact Strength (73°F (23°C))   | 2.1 ft·lb/in <sup>2</sup>    | 4.4 kJ/m <sup>2</sup>  | ISO 180/1A  |
| Unnotched Izod Impact Strength (73°F (23°C)) | 14 ft·lb/in <sup>2</sup>     | 28 kJ/m <sup>2</sup>   | ISO 180/1U  |
| Thermal                                      | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Peak Melting Temperature                     | 323 °F                       | 162 °C                 | ASTM D3418  |
| Heat of Fusion                               | 40.0 J/g                     | 40.0 J/g               | ASTM D3418  |
| Flammability                                 | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Flame Rating (0.06 in (1.5 mm))              | V-0                          | V-0                    | UL 94       |

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 180 °F                  | 82 °C              |
| Drying Time            | 1.0 hr                  | 1.0 hr             |
| Rear Temperature       | 350 to 450 °F           | 177 to 232 °C      |
| Middle Temperature     | 400 to 470 °F           | 204 to 243 °C      |
| Front Temperature      | 390 to 460 °F           | 199 to 238 °C      |
| Nozzle Temperature     | 380 to 430 °F           | 193 to 221 °C      |
| Processing (Melt) Temp | 400 to 450 °F           | 204 to 232 °C      |
| Mold Temperature       | 90 to 120 °F            | 32 to 49 °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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