

## Technical Data Sheet

### Polyfort FPP4B20CCUVGY291GRY



Polypropylene, Homopolymer

#### Product Description

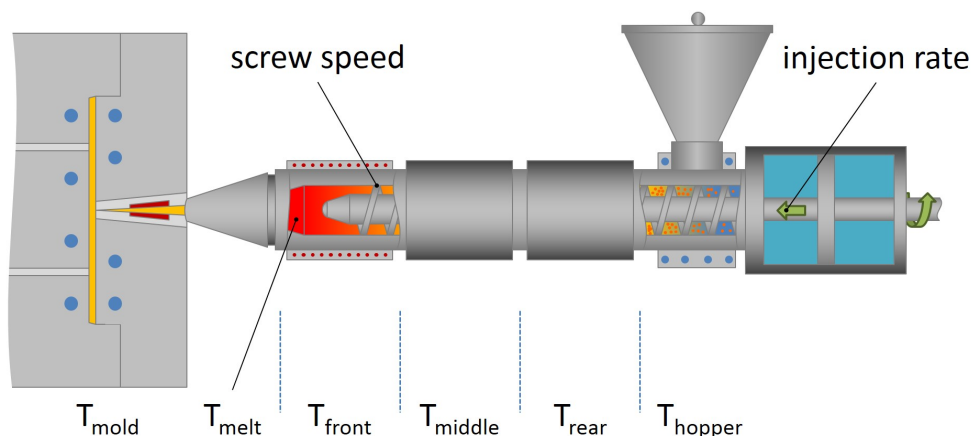
Polyfort FPP4B20CCUV is a 20% Glass-Reinforced, UV Stabilized, Chemically-Coupled Polypropylene

#### Regulatory Status

For regulatory compliance information, see FPP4B20CCUVGY291GRY [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                      |                                   |
|----------------------|-----------------------------------|
| Status               | Commercial: Active                |
| Availability         | North America                     |
| Processing Method    | Injection Molding                 |
| Attribute            | Chemically Coupled; UV Stabilized |
| Forms                | Pellets                           |
| Appearance           | Colors Available                  |
| Filler/Reinforcement | Glass Fiber, 20%                  |

| Typical Properties                    | Nominal Value | Units             | Test Method |
|---------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                       |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)      | 11            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity            | 1.05          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                     |               |                   |             |
| Tensile Strength at Yield, (23 °C)    | 46.5          | MPa               | ASTM D638   |
| Flexural Modulus                      | 3270          | MPa               | ASTM D790   |
| Tensile Elongation at Break           | 12            | %                 | ASTM D638   |
| Flexural Strength                     | 66            | MPa               | ASTM D790   |
| <b>Impact</b>                         |               |                   |             |
| Notched Izod Impact, (23 °C, 3.18 mm) | 170           | J/m               | ASTM D256   |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 82 to 104     | °C    |
| Screw Speed            | 20 to 60      | rpm   |
| Processing (Melt) Temp | 199 to 243    | °C    |
| Front Temperature      | 199 to 243    | °C    |
| Middle Temperature     | 199 to 243    | °C    |
| Rear Temperature       | 199 to 243    | °C    |
| Injection Rate         | Moderate      |       |
| Back Pressure          | <0.345        | MPa   |
| Mold Temperature       | 16 to 66      | °C    |
| Cushion                | 6.35 to 12.7  | mm    |

## Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

## 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.

## Company Information

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

© LyondellBasell Industries Holdings, B.V. 2018

## Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.