

## Technical Data Sheet

### *Polyfort* TPP1B10FDWHWHI



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

*Polyfort* TPP1B10FDWHWHI is a Polypropylene, Unspecified Talc, 10% filled material and is typically used in Injection Molding applications.

#### Regulatory Status

For regulatory compliance information, see TPP1B10FDWHWHI [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

|                             |                    |
|-----------------------------|--------------------|
| <b>Status</b>               | Commercial: Active |
| <b>Availability</b>         | North America      |
| <b>Processing Method</b>    | Injection Molding  |
| <b>Forms</b>                | Pellets            |
| <b>Appearance</b>           | Colors Available   |
| <b>Filler/Reinforcement</b> | Talc, 10%          |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 10            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.968         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 33.8          | MPa               | ASTM D638   |
| Flexural Modulus, (Tangent)                            | 2000          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact                                         | <1.13         | J                 | ASTM D5420  |
| Notched Izod Impact                                    | 37            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 62.8          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 113           | °C                | ASTM D648   |
| RTI Str                                                | 65.6          | °C                | UL 746B     |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating, (1.5 mm)                                 | HB            |                   | UL 94       |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 82 to 104     | °C    |
| Processing (Melt) Temp | 199 to 227    | °C    |
| Front Temperature      | 177 to 221    | °C    |
| Middle Temperature     | 177 to 221    | °C    |
| Rear Temperature       | 177 to 221    | °C    |
| Injection Rate         | Moderate      |       |
| Back Pressure          | 0.138 to 2.07 | MPa   |
| Mold Temperature       | 21 to 49      | °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/>.

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