

## Technical Data Sheet

**Ferro Pp TPP40AN74HB**

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

**General**

|                        |                              |                 |
|------------------------|------------------------------|-----------------|
| Material Status        | • Commercial: Active         |                 |
| Availability           | • Latin America              | • North America |
| Filler / Reinforcement | • Talc, 40% Filler by Weight |                 |
| Additive               | • Impact Modifier            |                 |
| Features               | • Impact Modified            |                 |
| Forms                  | • Pellets                    |                 |
| Processing Method      | • Injection Molding          |                 |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.24                    | 1.24 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.0 g/10 min            | 6.0 g/10 min           | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield, 73°F (23°C))     | 3900 psi                | 26.9 MPa               | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C))   | 14 %                    | 14 %                   | ASTM D638   |
| Flexural Modulus                          |                         |                        | ASTM D790   |
| 1% Secant : 73°F (23°C)                   | 351000 psi              | 2420 MPa               |             |
| Tangent : 73°F (23°C)                     | 467000 psi              | 3220 MPa               |             |
| Flexural Strength (Yield, 73°F (23°C))    | 6300 psi                | 43.4 MPa               | ASTM D790   |
| Impact                                    | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (73°F (23°C))         | 0.80 ft·lb/in           | 43 J/m                 | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C))       | 7.2 ft·lb/in            | 380 J/m                | ASTM D4812  |
| Gardner Impact                            | 60.0 in·lb              | 6.78 J                 | ASTM D5420  |
| Thermal                                   | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                         |                        | ASTM D648   |
| 66 psi (0.45 MPa), Unannealed             | 256 °F                  | 124 °C                 |             |
| 264 psi (1.8 MPa), Unannealed             | 165 °F                  | 73.9 °C                |             |

**Additional Information**

Filler Content, ASTM D2584: 40%

## Technical Data Sheet



# Ferro Pp TPP40AN74HB

Polypropylene  
LyondellBasell Industries  
Engineering Plastics



| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 °F                  | 80 °C              |
| Drying Time            | 2.0 to 3.0 hr           | 2.0 to 3.0 hr      |
| Processing (Melt) Temp | 428 to 500 °F           | 220 to 260 °C      |
| Mold Temperature       | 86 to 140 °F            | 30 to 60 °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/>.

© LyondellBasell Industries Holdings, B.V. 2024

### 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.