

**Polyfort FTP 3130**

Compounded Polypropylene  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

TPO 20% Talc

**General**

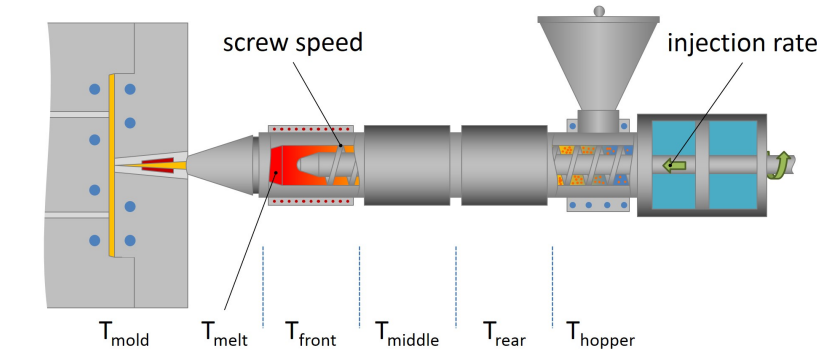
|                        |                              |
|------------------------|------------------------------|
| Filler / Reinforcement | • Talc, 21% Filler by Weight |
| Processing Method      | • Injection Molding          |

| Physical                          | Nominal Value (English)  | Nominal Value (SI)     | Test Method  |
|-----------------------------------|--------------------------|------------------------|--------------|
| Density                           | 1.05 g/cm <sup>3</sup>   | 1.05 g/cm <sup>3</sup> | ISO 1183     |
| Mechanical                        | Nominal Value (English)  | Nominal Value (SI)     | Test Method  |
| Tensile Stress (Yield)            | 3190 psi                 | 22.0 MPa               | ISO 527-2/50 |
| Flexural Modulus <sup>1</sup>     | 334000 psi               | 2300 MPa               | ISO 178      |
| Impact                            | Nominal Value (English)  | Nominal Value (SI)     | Test Method  |
| Notched Izod Impact Strength      | 17 ft·lb/in <sup>2</sup> | 36 kJ/m <sup>2</sup>   | ISO 180      |
| Thermal                           | Nominal Value (English)  | Nominal Value (SI)     | Test Method  |
| Deflection Temperature Under Load |                          |                        |              |
| 66 Psi (0.45 Mpa), Unannealed     | 221 °F                   | 105 °C                 | ISO 75-2/B   |
| 264 Psi (1.8 Mpa), Unannealed     | 140 °F                   | 60.0 °C                | ISO 75-2/A   |
| Additional Information            | Nominal Value (English)  | Nominal Value (SI)     | Test Method  |
| Filler Content                    | 21 %                     | 21 %                   | ASTM D5630   |



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| 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        |
| Injection Rate         | Moderate-Fast           | Moderate-Fast      |

Injection Notes

Polypropylene is not hygroscopic and generally does not require drying. As a good practice and to avoid residual humidity from transport or storage conditions, we recommend drying the material.  
Ensure good mold venting  
Injection molding parameters also influence emission properties, which are often required for automotive interior applications. Generally speaking, the emission, odor and fogging behavior of finished parts is improved by lowering the melt temperature, reducing residence time and avoiding high shear stress.

Notes

<sup>1</sup> 0.079 in/min (2.0 mm/min)

Notes

These are typical property values not to be construed as specification limits.

