Technical Data Sheet

# *Polyfort* FPP 1006U-3380 BLACK

Polypropylene, Homopolymer

## Product Description

20% talc filled PP Homo Compound, UV stabilized

## Regulatory Status

For regulatory compliance information, see *Polyfort* FPP 1006U-3380 BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

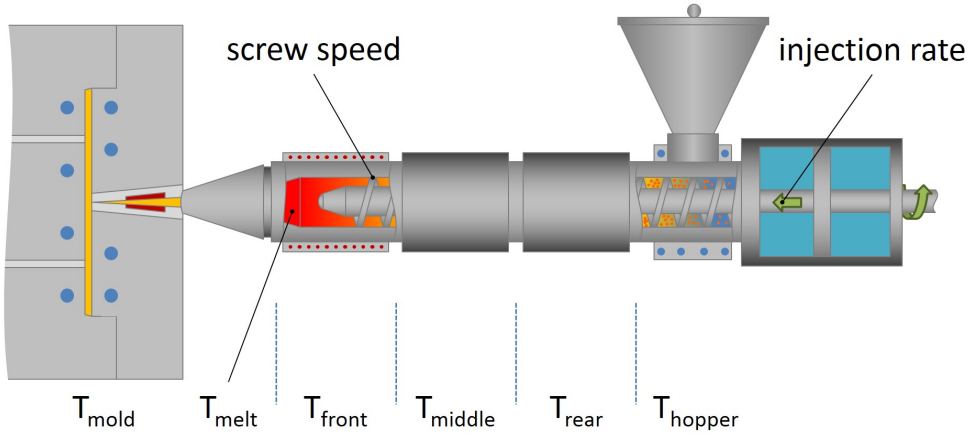
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|---|---|
| **Status** | Commercial: Active |
| **Availability** | Europe; North America |
| **Processing Method** | Injection Molding |
| **Attribute** | UV Stabilized |
| **Appearance** | Colors Available |
| **Filler/Reinforcement** | Talc, 20% |
| **Resin ID** | PP-H MD20 |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Volume Flow Rate, (230 °C/2.16 kg) | 14 | cm³/10 min | ISO 1133 |
| Density, (Method A) | 1.05 | g/cm³ | ISO 1183 |
| **Mechanical** | | | |
| Tensile Modulus, (1 mm/min, Type 1A) | 2600 | MPa | ISO 527-1 |
| Tensile Strain at Yield, (Type 1A, 50 mm/min) | 5.0 | % | ISO 527-2 |
| Flexural Modulus, (2.0 mm/min) | 2900 | MPa | ISO 178 |
| Flexural Stress | | | |
| (2.0 mm/min, 3.5%) | 45.0 | MPa | ISO 178 |
| (2.0 mm/min, 5.8%) | 50.0 | MPa | ISO 178 |
| Tensile Stress at Yield, (Type 1A, 50 mm/min) | 28.0 | MPa | ISO 527-2 |
| **Impact** | | | |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 2.1 | kJ/m² | ISO 179 |
| Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise) | 32 | kJ/m² | ISO 179 |
| Notched Izod Impact Strength, (23 °C, Type 1, Notch A) | 2.3 | kJ/m² | ISO 180 |
| Unnotched Izod Impact Strength, (23 °C, Type 1) | 24 | kJ/m² | ISO 180 |
| **Thermal** | | | |
| Vicat Softening Temperature | | | |
| (A (10N), 50 °C/h) | 152 | °C | ISO 306 |
| (B (50N), 50 °C/h) | 93.0 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise) | 123 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise) | 65.0 | °C | ISO 75-2/A |
| **Flammable** | | | |



Manufacturer website: https://www.lyondellbasell.com/en/

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|---|---|---|---|
| Burning Rate | | | |
| (2.00 mm) | 43 | mm/min | FMVSS 302 |
| (2.00 mm) | 43 | mm/min | ISO 3795 |




| Injection Parameters | Nominal Value | Units |
|---|---|---|
| Drying Temperature | 80 | °C |
| Drying Time | 2.0 to 3.0 | hr |
| Processing (Melt) Temp | 220 to 260 | °C |
| Mold Temperature | 30 to 60 | °C |
| Injection Rate | Moderate-Fast | |



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## 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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