Technical Data Sheet

# POLYFORT PPH GF20 H3 BLACK

Polypropylene Compounds

## Product Description

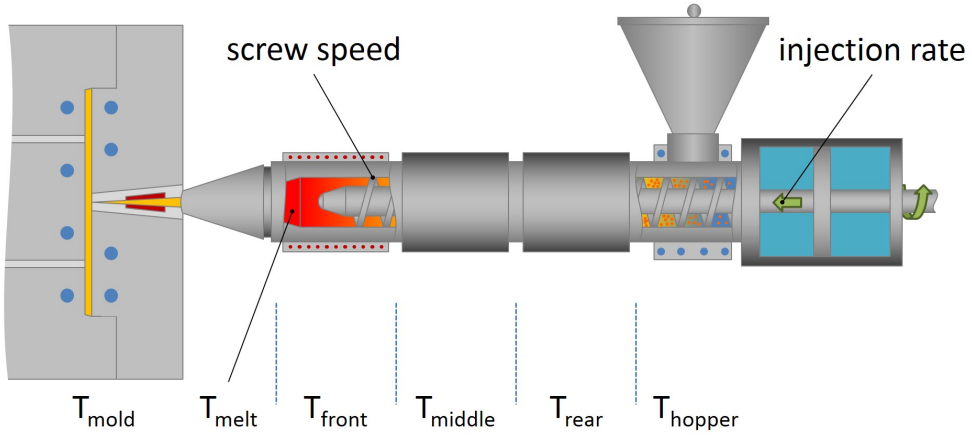
POLYFORT PPH GF20 H3 BLACK is a PP homopolymer 20% Glass Fiber Chemically Coupled UV stabilized compound.

## Regulatory Status

For regulatory compliance information, see POLYFORT PPH GF20 H3 BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Latin America |
| **Processing Method** | Injection Molding |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Volume Flow Rate | 10 | cm³/10 min | ISO 1133 |
| Density, (23 °C) | 1.03 | g/cm³ | ISO 1183 |
| **Mechanical** | | | |
| Tensile Modulus, (1 mm/min) | 4300 | MPa | ISO 527 |
| Tensile Strength at Break, (5.0 mm/min, 23 °C) | 65 | MPa | ISO 527 |
| Tensile Elongation at Break, (5.0 mm/min, 23 °C) | 3.5 | % | ISO 527 |
| **Impact** | | | |
| Charpy Impact Strength - Notched, (23 °C) | 8 | kJ/m² | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched, (23 °C) | 48 | kJ/m² | ISO 179-1/1eU |
| **Thermal** | | | |
| Vicat Softening Point | 160 | °C | ISO 306 |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 137 | °C | ISO 75-2 |
| **Processing Parameters** | | | |
| Melt Temperature | 220-270 | °C | |






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

| Injection Parameters | Nominal Value | Units |
|---|---|---|
| Suggested Max Moisture | <=0.04 | % |
| Mold Temperature | 50-90 | °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.

## Material handling, shelf life & storage

For good processing, we recommend our Product should be stored for no more than 12 months in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage may bring damage to the packaging and product and can negatively affects on the quality of this product and reduce shef life considerably.

## Packaging

This materials can be packaged in polyethylene bags, gaylord (big boxes) or supersacs, for more detail about your product packaging contains please contact your LYB Account Manager.

## Recycling note

This product is based in a thermoplastic resin that is suitable for mechanical recycling, partially or completely. Please, consider the whole construction of the final product using our grade and determine the suitable disposition for recollection, separation and recycling process. The packaging of Lyondellbasell´s products (plastic bags, cardboard boxes and stretch film) are also suitable for mechanical recycling. Any further information needed, contact the ADTS team from Lyondellbasell.

## Company Information

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

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