

## Technical Data Sheet

### *Polytrope* GPP20CD11HB-WH FERREXWHI



Polypropylene, Homopolymer

#### Product Description

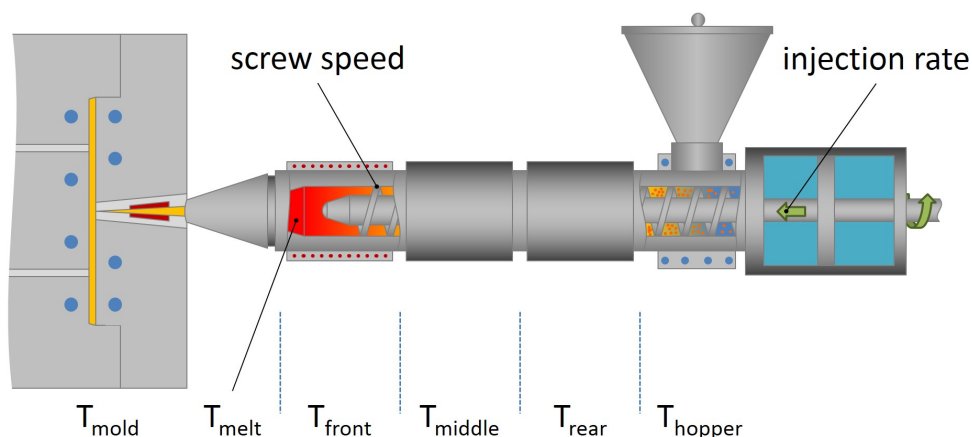
GPP20CD11HB-WH FERREX is a 20% Calcium Carbonate-Filled Polypropylene Homopolymer

#### Regulatory Status

For regulatory compliance information, see GPP20CD11HB-WH FERREXWHI [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                      |                        |
|----------------------|------------------------|
| Status               | Commercial: Active     |
| Availability         | North America          |
| Attribute            | Homopolymer            |
| Forms                | Pellets                |
| Appearance           | White                  |
| Filler/Reinforcement | Calcium Carbonate, 20% |

| Typical Properties               | Nominal Value | Units    | Test Method |
|----------------------------------|---------------|----------|-------------|
| <b>Physical</b>                  |               |          |             |
| Melt Flow Rate, (230 °C/2.16 kg) | 14            | g/10 min | ASTM D1238  |
| <b>Mechanical</b>                |               |          |             |
| Tensile Strength at Yield        | 29.7          | MPa      | ASTM D638   |
| Flexural Modulus, (Tangent)      | 223           | MPa      | ASTM D790   |
| <b>Impact</b>                    |               |          |             |
| Unnotched Izod Impact, (23 °C)   | 880           | J/m      | ASTM D4812  |



| Injection Parameters | Nominal Value | Units |
|----------------------|---------------|-------|
| Drying Time          | 2.0 to 3.0    | hr    |
| Drying Temperature   | 93            | °C    |

|                         |                   |                    |
|-------------------------|-------------------|--------------------|
| Clamp Tonnage           | 2.8 to 4.1        | kN/cm <sup>2</sup> |
| Nozzle Temperature      | 216 to 221        | °C                 |
| Screw Speed             | 100 to 150        | rpm                |
| Front Temperature       | 210 to 216        | °C                 |
| Screw L/D Ratio         | 20.0-1.0          |                    |
| Screw Compression Ratio | 2.0-1.0           |                    |
| Middle Temperature      | 204 to 210        | °C                 |
| Rear Temperature        | 199 to 204        | °C                 |
| Back Pressure           | 0.138 to<br>0.345 | MPa                |
| Mold Temperature        | 46 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.

## Company Information

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

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