

## Technical Data Sheet

### Polyfort RPP20ER08BKBLK



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

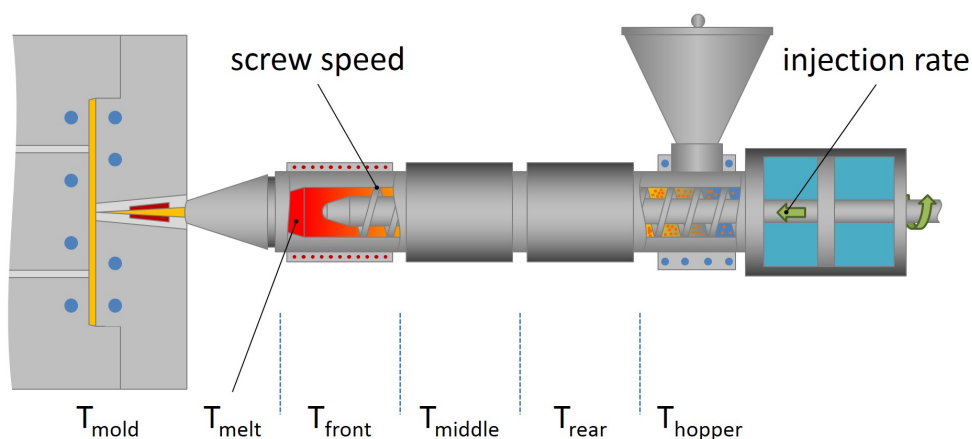
Polyfort RPP20ER08BKBLK is a Polypropylene, Unspecified Glass Fiber, 20% filled material and is typically used in Injection Molding applications. Features include: Good Impact Resistance.

#### Regulatory Status

For regulatory compliance information, see RPP20ER08BKBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                      |                        |
|----------------------|------------------------|
| Status               | Commercial: Active     |
| Availability         | North America          |
| Processing Method    | Injection Molding      |
| Attribute            | Good Impact Resistance |
| Forms                | Pellets                |
| Appearance           | Colors Available       |
| Filler/Reinforcement | Glass Fiber, 20%       |

| Typical Properties          | Nominal Value | Units    | Test Method |
|-----------------------------|---------------|----------|-------------|
| <b>Physical</b>             |               |          |             |
| Melt Flow Rate              | 3.7           | g/10 min | ASTM D1238  |
| <b>Mechanical</b>           |               |          |             |
| Tensile Strength at Yield   | 68.7          | MPa      | ASTM D638   |
| Flexural Modulus, (Tangent) | 4850          | MPa      | ASTM D790   |



| Injection Parameters | Nominal Value | Units |
|----------------------|---------------|-------|
| Drying Time          | 2.0 to 4.0    | hr    |
| Drying Temperature   | 71 to 82      | °C    |

|                        |                   |     |
|------------------------|-------------------|-----|
| Nozzle Temperature     | 232 to 260        | °C  |
| Processing (Melt) Temp | 221 to 238        | °C  |
| Front Temperature      | 232 to 260        | °C  |
| Middle Temperature     | 227 to 243        | °C  |
| Rear Temperature       | 221 to 238        | °C  |
| Injection Rate         | Slow-<br>Moderate |     |
| Back Pressure          | 0.138 to<br>0.345 | MPa |
| Mold Temperature       | 38 to 66          | °C  |
| Cushion                | 5.08 to 12.7      | mm  |

## 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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