

## Technical Data Sheet

### *Polyfort* RPP25EB68HB-GY GAPEXGRY



Polypropylene, Homopolymer

#### Product Description

*Polyfort* RPP25EB68HB-GY GAPEXGRY is a Polypropylene Homopolymer Glass Fiber, 26% filled material. Features include: Chemically Coupled.

#### Regulatory Status

For regulatory compliance information, see RPP25EB68HB-GY GAPEXGRY [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                             |                              |
|-----------------------------|------------------------------|
| <b>Status</b>               | Commercial: Active           |
| <b>Availability</b>         | Latin America; North America |
| <b>Attribute</b>            | Chemically Coupled           |
| <b>Forms</b>                | Pellets                      |
| <b>Appearance</b>           | Grey                         |
| <b>Filler/Reinforcement</b> | Glass Fiber, 26%             |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 5.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.1           | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength, (23 °C)                              | 62.7          | MPa               | ASTM D638   |
| Flexural Modulus                                       |               |                   |             |
| (23 °C, 1% Secant)                                     | 4250          | MPa               | ASTM D790   |
| (23 °C, Tangent)                                       | 4380          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (23 °C)                   | 3.0           | %                 | ASTM D638   |
| Flexural Strength, (23 °C)                             | 95.1          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact, (23 °C)                                | 0.339         | J                 | ASTM D5420  |
| Unnotched Izod Impact, (23 °C)                         | 300           | J/m               | ASTM D4812  |
| Notched Izod Impact, (23 °C)                           | 59            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 141           | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 154           | °C                | ASTM D648   |



| 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-Moderate  |       |
| Back Pressure          | 0.138 to 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.

## 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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