

## Technical Data Sheet

### Polyfort J-60/10/E BK223BLK



Polypropylene, Homopolymer

#### Product Description

Polyfort J-60/10/E BK223BLK is a Polypropylene Homopolymer Glass Fiber, 10% filled material. Features include: Chemically Coupled, and Homopolymer.

#### Regulatory Status

For regulatory compliance information, see J-60/10/E BK223BLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

|                      |                                 |
|----------------------|---------------------------------|
| Status               | Commercial: Active              |
| Availability         | North America                   |
| Attribute            | Chemically Coupled; Homopolymer |
| Forms                | Pellets                         |
| Filler/Reinforcement | Glass Fiber, 10%                |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 8.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.968         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength, (23 °C)                              | 58.6          | MPa               | ASTM D638   |
| Tensile Elongation at Yield, (23 °C)                   | 4.5           | %                 | ASTM D638   |
| Flexural Modulus, (23 °C, Tangent)                     | 2690          | MPa               | ASTM D790   |
| Tensile Modulus, (23 °C)                               | 3030          | MPa               | ASTM D638   |
| Flexural Strength, (23 °C)                             | 72.4          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (23 °C, 3.18 mm)                  | 43            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 100 to 110    |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 138           | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 149           | °C                | ASTM D648   |
| <b>Additional Information</b>                          |               |                   |             |
| Water Absorption at 24 hrs                             | 0.03          | %                 | ASTM D570   |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2             | hr    |
| Drying Temperature     | 77            | °C    |
| Suggested Max Moisture | 0.2           | %     |
| Nozzle Temperature     | 182 to 193    | °C    |
| Processing (Melt) Temp | 199 to 232    | °C    |
| Front Temperature      | 182 to 199    | °C    |
| Middle Temperature     | 204 to 227    | °C    |
| Rear Temperature       | 199 to 210    | °C    |
| Injection Rate         | Slow-Moderate |       |
| Back Pressure          | 0.00 to 0.689 | MPa   |
| Mold Temperature       | 32 to 71      | °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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