

## Technical Data Sheet

### Percom PP JCH16FR BLK



Polypropylene Copolymer

#### Product Description

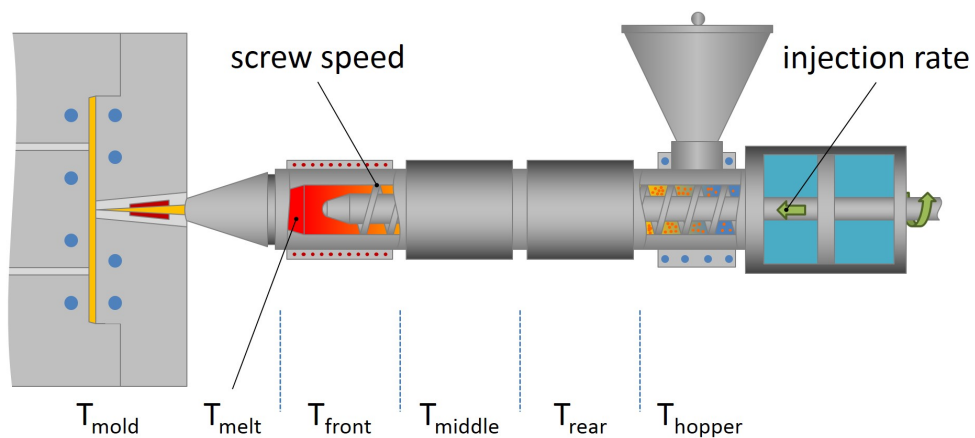
PP Co-polymer, flame retardant.

#### Regulatory Status

For regulatory compliance information, see *Percom PP JCH16FR BLK* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| <b>Status</b>            | Limited Issue                                                          |
| <b>Availability</b>      | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| <b>Processing Method</b> | Injection Molding                                                      |
| <b>Additive</b>          | Flame Retardant                                                        |

| Typical Properties                                      | Nominal Value | Units             | Test Method          |
|---------------------------------------------------------|---------------|-------------------|----------------------|
| <b>Physical</b>                                         |               |                   |                      |
| Melt Flow Rate, (260 °C/5.0 kg)                         | 6.0           | g/10 min          | ISO 1133             |
| Density                                                 | 0.93          | g/cm <sup>3</sup> | ISO 1183             |
| <b>Mechanical</b>                                       |               |                   |                      |
| Tensile Stress at Yield                                 | 25            | MPa               | ISO 527-2            |
| Flexural Modulus                                        | 1350          | MPa               | ISO 178              |
| Tensile Strain at Yield                                 | 8             | %                 | ISO 527-2            |
| <b>Impact</b>                                           |               |                   |                      |
| Charpy Impact Strength - Notched, (23 °C)               | 30            | kJ/m <sup>2</sup> | ISO 179              |
| Charpy Impact Strength - Unnotched, (23 °C)             | No Break      |                   | ISO 179              |
| Notched Izod Impact Strength, (23 °C, Type 1, Notch A)  | 30            | kJ/m <sup>2</sup> | ISO 180              |
| <b>Thermal</b>                                          |               |                   |                      |
| Vicat Softening Temperature, (A (10N), 50 °C/h)         | 80.0          | °C                | ISO 306              |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 147           | °C                | ISO 75-2/B           |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 50            | °C                | ISO 75-2/A           |
| <b>Flammable</b>                                        |               |                   |                      |
| Burning Rate                                            | <80           | mm/min            | ISO 3795             |
| <b>UL Information</b>                                   |               |                   |                      |
| Flammability Classification                             |               |                   |                      |
| (1.5 mm)                                                | V-2           |                   | IEC 60695-11-10, -20 |
| (3.0 mm)                                                | V-2           |                   | IEC 60695-11-10, -20 |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Mold Temperature       | 30 to 60      | °C    |

## Notes

These are typical property values not to be construed as specification limits.

## Processing notes

Melt contacting surfaces should be made of a high quality, corrosive resistant steel. Positive experiences have been made with steel qualities containing > 12% chromium.

Avoid processing at very barrel high temperatures or above the recommended melt temperature range as this can increase risk of deposit onto the tool surfaces. Avoid long residence times. At start and end of production, it is recommended to purge clean with non-flame retardant polymer or a polyolefin.

## 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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