

## Technical Data Sheet

### Polyflam 12N6012ND7033BWN



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Polyflam 12N6012ND7033BWN is a Polypropylene, Unspecified material.

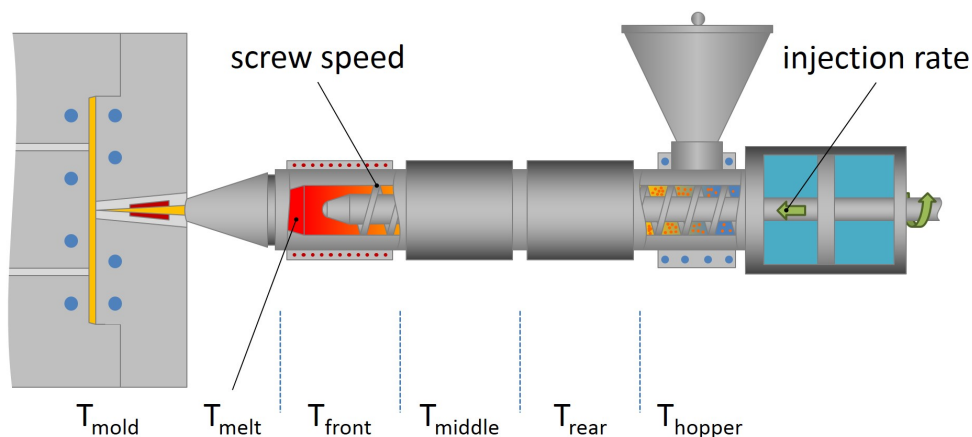
#### Regulatory Status

For regulatory compliance information, see 12N6012ND7033BWN [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

**Status** Commercial: Active

**Availability** North America

| Typical Properties               | Nominal Value | Units             | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg) | 20            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity       | 0.93          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                |               |                   |             |
| Tensile Elongation at Yield      | 15            | %                 | ASTM D638   |
| Tensile Strength at Yield        | 24.1          | MPa               | ASTM D638   |
| Flexural Modulus                 | 1100          | MPa               | ASTM D790   |
| <b>Impact</b>                    |               |                   |             |
| Gardner Impact                   | 19.2          | J                 | ASTM D5420  |
| Notched Izod Impact              | 110           | J/m               | ASTM D256   |
| <b>UL Information</b>            |               |                   |             |
| Flame Rating, (1.6 mm)           | V-2           |                   | UL 94       |
| UL File Number                   | E158835       |                   |             |



| Injection Parameters | Nominal Value | Units |
|----------------------|---------------|-------|
| Drying Time          | 4             | hr    |

|                        |                 |
|------------------------|-----------------|
| Drying Temperature     | 82 °C           |
| Nozzle Temperature     | 177 to 227 °C   |
| Processing (Melt) Temp | 182 to 227 °C   |
| Front Temperature      | 177 to 227 °C   |
| Middle Temperature     | 177 to 227 °C   |
| Rear Temperature       | 177 to 216 °C   |
| Injection Rate         | Slow-Moderate   |
| Back Pressure          | <0.689 MPa      |
| Mold Temperature       | 32 to 66 °C     |
| Cushion                | 6.35 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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