

## Technical Data Sheet

### Polyflam 12N4010NR8013ORE



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

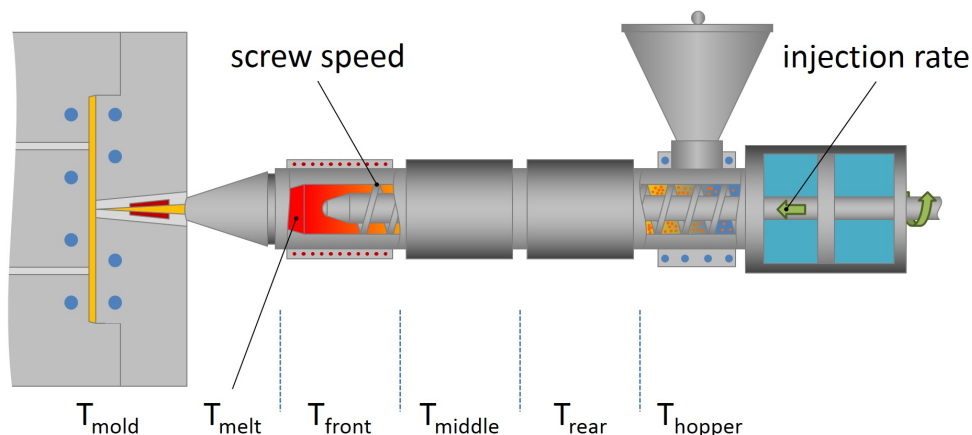
Polyflam 12N4010NR8013ORE is a Polypropylene, Unspecified material.

#### Regulatory Status

For regulatory compliance information, see 12N4010NR8013ORE [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|              |                    |
|--------------|--------------------|
| Status       | Commercial: Active |
| Availability | North America      |
| Forms        | Pellets            |
| Additive     | Flame Retardant    |

| 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                            | 0.928         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                     |               |                   |             |
| Tensile Strength at Yield                             | 34.5          | MPa               | ASTM D638   |
| Flexural Modulus                                      | 1450          | MPa               | ASTM D790   |
| <b>Impact</b>                                         |               |                   |             |
| Notched Izod Impact                                   | 27            | J/m               | ASTM D256   |
| <b>Thermal</b>                                        |               |                   |             |
| Deflection Temperature Under Load Unannealed (66 psi) | 96.1          | °C                | ASTM D648   |
| RTI Elec                                              | 110           | °C                | UL 746B     |
| RTI Imp                                               | 110           | °C                | UL 746B     |
| RTI Str                                               | 110           | °C                | UL 746B     |
| <b>UL Information</b>                                 |               |                   |             |
| Flame Rating, (1.5 mm)                                | V-2           |                   | UL 94       |



| 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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