

## Technical Data Sheet

**Polyflam RPP 233 D**

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

Unfilled flame retardant polypropylene

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Features        | • Flame Retardant    |

| Physical                                  | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------------|-------------------------|--------------------|-------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 15 g/10 min             | 15 g/10 min        | ASTM D1238  |
| Mechanical                                | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength <sup>1</sup>             |                         |                    | ASTM D638   |
| Yield                                     | 4240 psi                | 29.3 MPa           |             |
| Break                                     | 2420 psi                | 16.7 MPa           |             |
| Flexural Modulus - Chord <sup>2</sup>     | 212000 psi              | 1460 MPa           | ASTM D790   |
| Impact                                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (73°F (23°C))         | 1.3 ft-lb/in            | 68 J/m             | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C))       | 23 ft-lb/in             | 1200 J/m           | ASTM D4812  |
| Flammability                              | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Flame Rating                              |                         |                    | UL 94       |
| 0.06 in (1.5 mm)                          | V-2                     | V-2                |             |
| 0.12 in (3.0 mm)                          | V-2                     | V-2                |             |

**Notes**

<sup>1</sup> 2.0 in/min (50 mm/min)

<sup>2</sup> 0.051 in/min (1.3 mm/min)

**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.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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