

## Technical Data Sheet

### Vitamide PERCOM XG1402 NAT 0-0168



Polypropylene, Homopolymer

#### Product Description

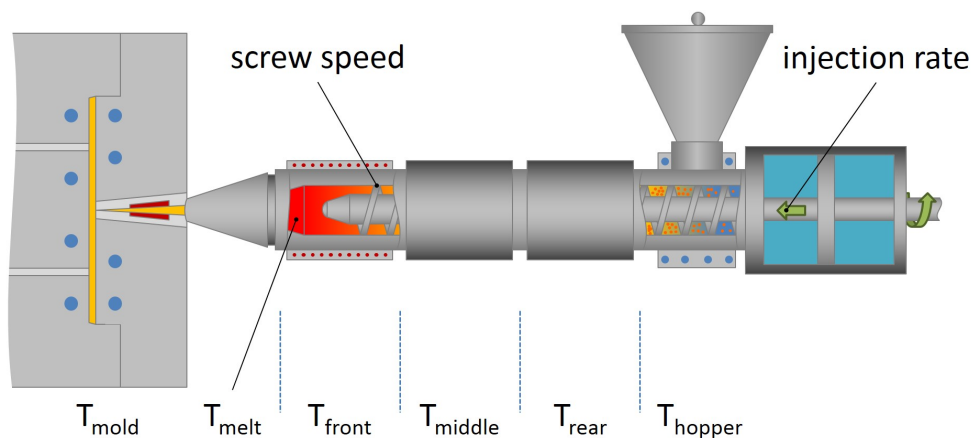
Unfilled flame retardant PP homopolymer without PBDE

#### Regulatory Status

For regulatory compliance information, see PERCOM XG1402 NAT 0-0168 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Status            | Limited Issue                                                          |
| Availability      | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| Processing Method | Injection Molding                                                      |
| Attribute         | High Flow; Low Density                                                 |

| Typical Properties                              | Nominal Value | Units             | Test Method    |
|-------------------------------------------------|---------------|-------------------|----------------|
| <b>Physical</b>                                 |               |                   |                |
| Melt Flow Rate, (230 °C/2.16 kg)                | 25            | g/10 min          | ISO 1133       |
| Density                                         | 0.99          | g/cm <sup>3</sup> | ISO 1183       |
| <b>Mechanical</b>                               |               |                   |                |
| Flexural Modulus                                | 1500          | MPa               | ISO 178        |
| Tensile Strain at Yield                         | 4             | %                 | ISO 527-2      |
| Flexural Stress                                 | 37            | MPa               | ISO 178        |
| <b>Impact</b>                                   |               |                   |                |
| Charpy Impact Strength - Notched, (23 °C)       | 2.5           | kJ/m <sup>2</sup> | ISO 179        |
| <b>Hardness</b>                                 |               |                   |                |
| Shore Hardness, (Shore D)                       | 68            |                   | ISO 868        |
| <b>Thermal</b>                                  |               |                   |                |
| Vicat Softening Temperature, (A (10N), 50 °C/h) | 145           | °C                | ISO 306        |
| <b>Flammable</b>                                |               |                   |                |
| Burning Rate                                    |               |                   |                |
| (2.00 mm)                                       | <100          | mm/min            | FMVSS 302      |
| (2.00 mm)                                       | <100          | mm/min            | ISO 3795       |
| Glow Wire Flammability Index                    |               |                   |                |
| (1.5 mm)                                        | 930           | °C                | IEC 60695-2-12 |
| (3.0 mm)                                        | 930           | °C                | IEC 60695-2-12 |
| Glow Wire Ignition Temperature                  |               |                   |                |
| (1.5 mm)                                        | 960           | °C                | IEC 60695-2-13 |
| (3.0 mm)                                        | 700           | °C                | IEC 60695-2-13 |
| <b>UL Information</b>                           |               |                   |                |
| Flame Rating                                    |               |                   |                |
| (1.5 mm) (UL 94)                                | V-0           |                   |                |
| (3.0 mm) (UL 94)                                | V-0           |                   |                |



| 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 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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