

## Polypropylene

# PP-044



Accelerating Action  
on Circularity

### Description

PP-044 is a coloured, not homogenized polypropylene (PP) supplied in pellet form for several applications in the plastic industry with feedstock coming from Borealis plants.

Due to the nature of these materials, some variation in colour can be observed between batches.

Good stiffness / impact balance

Low odour

Good demoulding properties

### Applications

PP-044 is intended for following applications:

Injection moulding applications

### Physical properties

Property	Typical value *	Unit	Test method
Density	970	kg/m <sup>3</sup>	ISO 1183
Melt flow rate ( 230 °C/2.16 kg)	11	g/10min	ISO 1133
Ash content ( 950°C) <sup>1</sup>	10	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)

\* Data should not be used for specification work

<sup>1</sup> Refers to filler content

### Processing techniques

Following moulding parameters should be used as guideline:

Processing setting	Typical value/range
Melt temperature	210 - 260 °C
Holding pressure <sup>2</sup>	200 - 500 bar
Mould temperature	30 - 40 °C
Injection speed	High

<sup>2</sup> Minimum to avoid sink marks.

Shrinkage 1 - 2 %, depending on wall thickness and moulding parameters.

### Packaging and storage

PP-044 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

### Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website [www.borealisgroup.com](http://www.borealisgroup.com).

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### Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency.

Further information on sustainability and Design for Recycling (DfR) can be found from our websites [www.borealisgroup.com](http://www.borealisgroup.com) and [www.borealiseverminds.com](http://www.borealiseverminds.com).

### Disclaimer

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