

Polypropylene

Recleo" PP G3000-71

Post-Consumer Recyclate



Accelerating Action on Circularity

Description

PP G3000-71 is a light coloured polypropylene (PP) post-consumer recyclate supplied in pellets. This product is an ideal PP used where sustainability and circularity matter. It is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted municipality waste. PP G3000-71 is part of Recyclass certificate (certificate available upon request). Due to the nature of recyclates, some variation in colour can be observed between batches.

Typical characteristics

Good stiffness / impact balance and low odour  
 Good demoulding properties

Available in homogenised 24-ton truckloads  
 Filtration: 180 µm

Applications

Recleo" PP G3000-71 is intended for following applications:

Injection-moulded non-food applications

Physical properties

Property	Typical value *	Unit	Test method
Density	915	kg/m <sup>3</sup>	ISO 1183
Melt flow rate (230 °C/2.16 kg)	20	g/10min	ISO 1133
Ash 650°C <sup>1</sup>	<5	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)
Charpy impact strength, notched (23 °C)	5.5	kJ/m <sup>2</sup>	ISO 179-1/1eA
Tensile modulus (1 mm/min)	1200	MPa	ISO 527-2

\* Data should not be used for specification work

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

Processing setting	Typical value/range
Melt temperature <sup>2</sup>	230 °C
Holding pressure <sup>3</sup>	350 bar
Mould temperature <sup>4</sup>	35 °C

<sup>2</sup>range: 210 - 260 °C

<sup>3</sup>range: 200 - 500 bar

<sup>4</sup>range: 30 - 40 °C

Injection speed: High

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

Processing techniques

This product is easy to process with standard injection moulding machines. Following parameters should be used as a guideline:

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### 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).

### 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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