

Polypropylene

PP-00



Accelerating Action
on Circularity

Description

PP-00 is homogenized natural polypropylene supplied in pellet form for several applications in the plastic industry with feedstock coming from Borealis plants. This PP is ideally used where sustainability and circularity matter. Due to the nature of these materials, some variation in colour can be observed between batches.

Good stiffness / impact balance
Good demoulding properties

Low odour
Available in homogenised 24-tons

Applications

PP-00 is intended for following applications:
Injection moulding applications

Physical properties

Property	Typical value *	Unit	Test method
Density	900	kg/m ³	
Melt flow rate (230 °C/2.16 kg)	1-35	g/10min	
Ash content (950°C)	<1	%	ISO 1172
Moisture content (105 °C) ¹	<0,1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min)	1300	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	30	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	5,5	kJ/m ²	ISO 179-1/1eA

¹ Moisture analyser (infrared)

* Data should not be used for specification work

Processing techniques

Following moulding parameters should be used as guideline:

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

² Minimum to avoid sink marks.

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

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.

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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 and www.borealiseverminds.com.

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