PRODUCT DATA SHEET

Polypropylene

Recleo™ PP E9000-95

Post-Industrial Recyclate

Description

Recleo™ PP E9000-95 is a black polypropylene (PP) post-industrial recyclate and is produced with post-industrial feedstock from our own plants. Due to the nature of the recycling process and feedstock variability, variations in product properties may occur. The material is supplied in pellet form.

Typical characteristics

Good stiffness / impact balance
Good demoulding properties
Low odor
Available in homogenised 24-tons

Applications

Recleo™ PP E9000-95 is intended for following applications:

Injection moulding applications

Physical properties

Property	Typical value *	Unit	Test method
Density	970	kg/m³	ISO 1183
Melt flow rate (230 °C/2.16 kg)	10-20	g/10min	ISO 1133
Ash content (950°C) [1]	10	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)
Charpy impact strength, notched (23 °C)	7	kJ/m²	ISO 179-1/1eA
Tensile modulus (1 mm/min)	1600	MPa	ISO 527-2

* Data should not be used for specification work

[1] *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 [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.

Recleo™ is a trademark of the Borealis Group

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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 website www.borealisgroup.com.

Disclaimer

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