

## Polypropylene

# Recleo" PP E6011-97

## Post-Consumer Recyclate



Accelerating Action  
on Circularity

### Description

Recleo" PP E6011-97 is a deep black filled polypropylene post-consumer recyclate supplied in pellets. This product is an ideal PP used where sustainability and circularity matter. Recleo" PP E6011-97 is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted household waste. It has a Recyclclass certificate available upon request. Due to the nature of recyclates, some variation in colour can be observed between batches. This grade contains min. 2% carbon black

### Typical characteristics

Recleo" PP E6011-97 can be described with following typical characteristics:

Available in homogenised 24-ton truckloads

### Applications

Recleo" PP E6011-97 is intended for following applications:

Rain drainage applications

This product is recommended for Hot Runners.

### Physical properties

Property	Typical value *	Unit	Test method
Density	1000	kg/m <sup>3</sup>	ISO 1183
Melt flow rate (230 °C/2.16 kg)	12	g/10min	ISO 1133
Ash 650°C <sup>1</sup>	13	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min)	1300	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	25	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	4.5	kJ/m <sup>2</sup>	ISO 179-1/1eA

\* 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

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### Processing techniques

To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2 hours at 80 °C. This product is easy to process with standard injection moulding machines.

Following parameters should be used as a guideline:

### 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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