# PRODUCT DATA SHEET

## Polypropylene

# Recleo™ PP G5143-70

### Post-Consumer Recyclate

## Description

Recleo PP G5143-70 is a light grey polypropylene post-consumer recyclate supplied in pellets. This product is an ideal PP used where sustainability and circularity matter. Recleo PP G5143-70 is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted household waste. Recyclass certificate is available on the webpage and upon request. Due to the nature of the recycling process and feedstock variability, variations in product properties may occur.

## Typical characteristics

Recleo™ PP G5143-70 can be described with following typical characteristics:

Good demoulding properties

Fine filtration

Good stifness impact balance

## Applications

Recleo™ PP G5143-70 is intended for following applications:

Injection-moulded non-food applications

## Physical properties

| Property | Typical value * | Unit | Test method |
|---|---|---|---|
| Density | 920 | kg/m³ | ISO 1183-1 |
| Melt flow rate (230 °C/2.16 kg) | 20 | g/10min | ISO 1133-1 |
| Ash 600°C [1] | <5 | % | ISO 3451-1 |
| Moisture content | <0.1 | % | Moisture analyzer (infrared) |
| Tensile modulus (1 mm/min) | 1200 | MPa | ISO 527-2 |
| Charpy impact strength, notched (23 °C) | 4.5 | kJ/m² | ISO 179-1/1eA |

* Data should not be used for specification work

[1] *Refers to filler content*

## Processing techniques

Following parameters should be used as a guideline:

| Processing setting | Typical value/range |
|---|---|
| Melt temperature [2] | 230 °C |
| Holding pressure [3] | 350 bar |
| Mould temperature [4] | 35 °C |

[2] *Range 210 - 260 °C*

[3] *Range: 200 - 500 bar*

[4] *Range: 30 - 40 °C*

## Packaging and storage

Recleo™ PP G5143-70 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.

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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 on our website 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 website www.borealisgroup.com.

### Disclaimer

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