PRODUCT DATA SHEET

Polypropylene

Recleo™ PP E5043-76

Post-Consumer Recyclate

Description

Recleo™ PP E5043-76 is a warm grey polypropylene post-consumer recyclate supplied in pellets. This product is an ideal PP used where sustainability and circularity matter. Recleo™ PP E5043-76 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 E5043-76 can be described with following typical characteristics:

Good demoulding properties

Fine filtration

Good stiffness impact balance

Applications

Recleo™ PP E5043-76 is intended for following applications:

Injection-moulded non-food applications

Physical properties

Property	Typical value *	Unit	Test method
Density	925	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	12	g/10min	ISO 1133-1
Ash 600°C	<5	%	ISO 3451-1
Moisture content	<0.1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min)	1100	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

Processing techniques

Following parameters should be used as a guideline:

Processing setting	Typical value/range
Melt temperature [1]	230 °C
Holding pressure [2]	350 bar
Mould temperature [3]	35 °C

[1] *range: 210 - 260 °C*

[2] *range: 200 - 500 bar*

[3] *range: 30 - 40 °C*

Packaging and storage

Recleo™ PP E5043-76 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.

Disclaimer

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