

Polypropylene

Recleo™ PP G5043-70

Post-Consumer Recyclate

Description

Recleo PP G5043-70 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 G5043-70 is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted household waste. It has a Reclass certificate available upon request. Due to the nature of recyclates, some variation in colour can be observed between batches.

Recleo™ PP G5043-70 contains:

Typical characteristics

Recleo™ PP G5043-70 can be described with following typical characteristics:

Good demoulding properties

Fine filtration

Good stiffness impact balance

Applications

Recleo™ PP G5043-70 is intended for following applications:

Injection-moulded non-food applications

Physical properties

Property	Typical value *	Unit	Test method
Density	920	kg/m ³	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/m ²	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

²range: 210 - 260 °C

³range: 200 - 500 bar

⁴range: 30 - 40 °C

Injection speed: High

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

Recleo™ is a trademark of the Borealis Group

Polypropylene

Recleo™ PP G5043-70

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

Recycled plastics are subject to material inconsistencies. mtm/Exoplast makes no warranties which extend beyond the description contained herein and to the best of our knowledge, the information is accurate and reliable as of the date of publication. Because of the multitude of possible influences during the use and application of our products, the information included does not release customers and users from the obligation to examine and test them carefully. Please note that nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose as mtm/Exoplast do not know the origin of the product. Where necessary, the customer is recommended to obtain a feedstock release from the customer. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of any mtm/Exoplast product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above. The product(s) mentioned herein are not intended to be used for food contact, drinking water contact, medical, pharmaceutical or healthcare applications and we do not support their use for such applications. Otherwise, our General Terms and Conditions of Sale apply.