

Polypropylene

PP Y20-00

Description

is homogenized natural polypropylene supplied in pellet form for several applications in the plastic industry with feedstock coming from Borealis plants. This PP is ideally used where sustainability and circularity matter. Due to the nature of these materials, some variation in colour can be observed between batches

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

Applications

PP Y20-00 is intended for following applications:

Injection-moulded non-food applications

Physical properties

Property	Typical value *	Unit	Test method
Density	900	kg/m ³	
Melt flow rate (230 °C/2.16 kg)	20	g/10min	
Ash content (950°C)	<1	%	ISO 1172
Moisture content (105 °C) ¹	<0.1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min)	1300	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	30	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	5	kJ/m ²	ISO 179-1/1eA

* Data should not be used for specification work

¹ Moisture analyser (infrared)

Processing techniques

Processing setting	Typical value/range
Melt temperature	210-260 °C
Holding pressure ²	200-500 bar
Mould temperature	30 - 40 °C
Injection speed	High

²Minimum 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 on our website www.borealisgroup.com.

Polypropylene

PP Y20-00

Disclaimer

The product(s) mentioned herein are subject to material inconsistencies. mtm/Ecoplast 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/Ecoplast 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/Ecoplast 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.