

Polypropylene

NAV 128-03

Post-Industrial Recyclate



Accelerating Action
on Circularity

Description

NAV128-03 is a transparent dark polypropylene (PP) post-industrial recyclate supplied in pellets. This product is an ideal PP used where sustainability and circularity matter. NAV128-03 consists of post-industrial waste coming from Borealis plants. Due to the nature of recyclates, some variation in colour can be observed between batches.

Good stiffness / impact balance

Low odour

Good demoulding properties

Available in homogenised 12-tons

Applications

NAV 128-03 is intended for following applications:

Injection moulding applications

Physical properties

Property	Typical value *	Unit	Test method
Density	900	kg/m ³	ISO 1183
Melt flow rate (230 °C/2.16 kg)	5-35	g/10min	ISO 1133
Ash content (950°C) ¹	<1	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min)	1500	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	30	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	3	kJ/m ²	ISO 179-1/1eA

¹ Refers to filler content

* Data should not be used for specification work

Processing techniques

Following moulding parameters should be used as guideline:

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

² Minimum 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 in our website www.borealisgroup.com.

Polypropylene

NAV 128-03

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 and www.borealiseverminds.com.

Disclaimer

Recycled plastics 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.