

POLYBLEND PE/PP

Dipolen™ SP

Post-Consumer Recyclate



Description

Dipolen™ SP is a grey polypropylene dominate polyolefin post-consumer recyclate supplied in pellets. This product is an ideal PO used where sustainability and circularity matter. It is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted household waste. It is a part of EuCertPlast certificate according to European Standard EN15343:2007 (certificate available upon request).

It is not intended for use in beverages, drinking water contact, food contact, medical, pharmaceutical or healthcare applications. Due to the nature of recyclates, some variation in colour can be observed between batches.

Homogenised 24 tonne- truckloads
 Pellet shape: cylindrical
 Pore size of filter: 180 µm

Applications

Injection moulding applications

Special Features

Good demoulding properties

Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	930 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	8,0 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.050 MPa	ISO 527-2
Tensile Stress at Yield (50 mm/min)	23 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	5,0 kJ/m ²	ISO 179/1eA
Moisture content (105 °C)	< 0,1 %	Moisture analyser (infrared)
Ash content (650 °C) ¹	< 2 %	ISO 1172

¹ Refers to filler content

Processing Techniques

This product is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

Melt temperature	210 - 260 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	30 - 40 °C	
Injection speed	High	

Storage

Dipolen SP should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Dipolen is a trademark of the Borealis group.

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Dipolen SP

Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

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Related Documents

The following related documents are available on request.

"Safety data sheet" / "Product safety information sheet"
Recovery and disposal of polyolefins
Information on emissions from processing and fires

Disclaimer

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