

Post-Consumer Recyclate

Dipolen™ S-95

Recycled PP/PE Blend



Accelerating Action
on Circularity

Description

Dipolen™ S-95 is a black polyolefin (polypropylene/polyethylene blend) post-consumer recyclate (rPO) supplied in different colours. This product is an ideal PO used where sustainability and circularity matter. Dipolen™ S-95 is a post-consumer recyclate including a large part of recycled post-consumer waste coming from pre-sorted household waste. It is part of the EuCertPlast certificate according to the European Standard EN15343:2007 (certificate available upon request).

Due to the nature of recyclates, some variation in colour can be observed between batches.

Good demoulding properties

Filtration: 180µm

Available in homogenised 24-ton truckloads

Applications

Dipolen™ S-95 is intended for following applications:

Extrusion and injection moulding applications

Physical properties

| Property | Typical value * | Unit | Test method |
|--|-----------------|-------------------|------------------------------|
| Density | 940 | kg/m ³ | ISO 1183 |
| Melt flow rate (230 °C/2.16 kg) | 6 | g/10min | ISO 1133 |
| Moisture content | <0.1 | % | Moisture analyzer (infrared) |
| Ash content (950°C) ¹ | <5 | % | ISO 1172 |
| Tensile modulus (1 mm/min) | 900 | MPa | ISO 527-2 |
| Tensile stress at yield (50 mm/min) | 22 | MPa | ISO 527-2 |
| Charpy impact strength, notched (23 °C) | 5.5 | kJ/m ² | ISO 179-1/1eA |

² Refers to filler content

* Data should not be used for specification work

Processing techniques

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

Following parameters should be used as guideline:

| Processing setting | Typical value/range |
|-------------------------------|---------------------|
| Melt temperature | 210 - 260 °C |
| Holding pressure ³ | 200 - 500 bar |
| Mould temperature | 30 - 40 °C |
| Injection speed | High |

³ minimum to avoid sink marks

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.

Dipolen™ is a trademark of the Borealis Group



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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

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