PRODUCT DATA SHEET

Post-Consumer Recyclate

Dipolen™ S-74

Recycled PP/PE Blend

EverMinds™
Accelerating Action on Circularity

Description

Dipolen™ S-74 is a dark grey 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-74 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

Available in homogenised 24-ton truckloads

Applications

Dipolen™ S-74 is intended for following applications:

Extrusion and injection moulding non-food applications

This product is recommended for Hot Runners.

Physical properties

Property	Typical value *	Unit	Test method
Density	940	kg/m³	ISO 1183
Melt flow rate (230 °C/2.16 kg)	6	g/10min	ISO 1133
Ash content (950°C) [1]	<5	%	ISO 1172
Moisture content	<0.1	%	Moisture analyzer (infrared)
Tensile modulus (1 mm/min) (23°C)	900	Mpa	ISO 527-2
Tensile stress at yield (50 mm/min) (23°C)	22	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	5.5	kJ/m²	ISO 179-1/1eA

* Data should not be used for specification work

[1] *Refers to filler content*

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 [2]	200 - 500 bar
Mould temperature	30 - 40 °C
Injection speed	High

[2] *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.

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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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