# PRODUCT DATA SHEET

## Polyethylene

# NAV 122 LD

### Low Density Polyethylene

EverMinds™
Accelerating Action on Circularity

## Description

NAV 122 LD is homogenised low density polyethylene (LDPE) available in different colours in pellet form for several applications in the plastic industry with feedstock coming from Borealis plants. Due to the nature of these materials, some variation in colour can be observed between batches.

Cas No. 9002-88-4

Homogenised 24-ton truckloads
Pellet shape: lenticular

## Applications

NAV 122 LD is intended for following applications:

Film and pipe applications
Blow moulding
Injection moulding

## Physical properties

| Property | Typical value * | Unit | Test method |
|---|---|---|---|
| Density | 0.915 - 0.940 | g/cm³ | ISO 1183-1 |
| Melt flow rate (190 °C/2.16 kg) | 0.1 - 2 | g/10min | ISO 1133-1 |
| Bulk density | 520 | g/l | ISO 60 |
| Moisture content [1] | ≤ 0.1 | % | |

* Data should not be used for specification work

[1] *internal method*

## Processing techniques

NAV 122 LD is easily processed on conventional extruders and injection moulding/blow moulding machines.
Following parameters should be used as guidelines:
Melt temperature 160 - 190 °C.
Due to differences in screw and die head designs the optimum temperature adjustments are individual and should be sought for each production line.

## Packaging and storage

NAV 122 LD should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

## 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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