

## Polyethylene

## NAV 122 MX



Accelerating Action  
on Circularity

## Description

NAV 122 MX is a mixed low density polyethylene (LDPE) and high density polyethylene (HDPE) homogenised 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

## Typical characteristics

NAV 122 MX can be described with following typical characteristics:

Available in homogenised 24-ton truckloads

Pellet shape: lenticular

## Applications

NAV 122 MX is intended for following applications:

Film and pipe applications

Blow moulding

Injection moulding

## Physical properties

| Property                        | Typical value * | Unit              | Test method |
|---------------------------------|-----------------|-------------------|-------------|
| Density                         | 0.925 - 0.945   | g/cm <sup>3</sup> | ISO 1183    |
| Melt flow rate (190 °C/5 kg)    | 0.3 - 50        | g/10 min          | ISO 1133-1  |
| Melt flow rate (190 °C/2.16 kg) | 0.1 - 20        | g/10min           | ISO 1133-1  |
| Bulk density                    | 520             | g/l               | ISO 60      |
| Moisture content <sup>1</sup>   | ≤ 0.05          | %                 |             |

<sup>1</sup> internal method

\* Data should not be used for specification work

## Processing techniques

NAV 122 MX 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.

<sup>1</sup> internal method

## Packaging and storage

NAV 122 MX 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](http://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](http://www.borealisgroup.com) and [www.borealiseverminds.com](http://www.borealiseverminds.com).

For information on regional availability please contact Borealis Sales Representative.

### Disclaimer

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