

# SABIC® LDPE HP2022NDF

LOW DENSITY POLYETHYLENE FOR FOAMING

## DESCRIPTION

SABIC® LDPE HP2022NDF is a grade typically used in foam applications. It is without slip and anti-block additives. This grade is ideally suitable for foaming processes using both physical and chemical blowing agents.

## TYPICAL APPLICATIONS

SABIC® LDPE HP2022NDF can be typically used for all types of foam, produced with chemical blowing agents or physical gases, X-linked and non X-linked. Due to its excellent characteristic; the main applications are:

- Packaging
- Construction
- Automotive
- Footwear, Sports & Leisure

Contact SABIC for detailed information about this resin and its applications.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

## TYPICAL PROPERTY VALUES

Revision 20201103

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES <sup>(1)</sup></b>			
<b>Melt Flow Rate (MFR)</b>			
at 190°C and 2.16 kg	2.0	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	922	kg/m <sup>3</sup>	ASTM D1505
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>	92	°C	ASTM D1525
<b>Crystallization Temperature</b>	95	°C	ISO 11357-3
<b>Avg. Heat of Fusion</b>	113	J/g	ISO 11357-3
<b>Melting Point</b>	110	°C	SABIC method

(1) Typical values not to be constructed as specifications limits.

## PACKAGING

Polyethylene resins (in pelletized or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in color changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletized or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.

## CHARACTERISTICS

SABIC® LDPE HP2022NDF is a grade typically used in foam applications. It is without slip and anti-block additives. It demonstrates the following main properties: • Good processability • High consistency • Excellent foamability • Dimensional stability



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