

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

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