SABIC® LDPE HP2024NDF

LOW DENSITY POLYETHYLENE FOR FOAM EXTRUSION

DESCRIPTION

SABIC® LDPE HP2024NDF is a grade typically used in foam applications. It is without slip and anti-block additives. This grades is ideally suitable for crosslink- and non-crosslink foaming processes using both physical and chemical blowing agents.

TYPICAL APPLICATIONS

SABIC® LDPE HP2024NDF can be typically used for all types of foam, produced with chemical blowing agents or physical gases, X-linked and non X-linked.

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	dg/min	ASTM D1238
Density	924	kg/m³	ASTM D1505
THERMAL PROPERTIES			
Vicat Softening Point	96	°C	ASTM D1525
Crystallization Temperature	98	°C	ISO 11357-3
Avg. Heat of Fusion	114	J/g	ISO 11357-3
Melting Point	111	°C	SABIC method

(1) Typical values; not to be construed as specification 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 HP2024NDF 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