

PETLIN (MALAYSIA) SDN BHD (478535-T)

PRODUCT DATA SHEET



PETLIN LD N119X

Low Density Polyethylene

PETLIN LD N119X is a low density polyethylene resin designed for a wide range of applications. It is produced by the state-of-the-art DSM Stamicarbon tubular process. It contains antioxidant (BHT free) additive.

- Characteristics** : Low gels, good foaming properties.
- Applications** : Foams, lamination films, bubble films, blow moulding of small squeeze bottles, foams.
- Extrusion Conditions** : For blown film: Melt temperature 150-170°C, recommended blow-up-ratio of 2 to 3 : 1.
- Typical Data** :

Properties	Units	Typical values	Test methods
<u>Polymer properties :</u>			
Melt Flow Rate:	dg/min	1.9	ISO 1133
Density	kg/m ³	921	ISO 1183 (A)
<u>Optical properties (25 microns film) :</u>			
Gloss (45°)	%	58	ASTM D2457
Haze	%	8.3	ASTM D1003A
<u>Mechanical properties :</u>			
Hardness Shore D	-	50	ISO 868
Modulus of elasticity	N/mm ²	175	ISO 527-2
<u>Thermal properties :</u>			
Vicat Softening Temperature	°C	89	ISO 306
Melting Point (DSC)	°C	108	DIN 53765
<u>Misc. properties :</u>			
ESCR	hr	70	DSM Method

The properties shown above are typical values and are not to be taken as specifications.

Food contact approval status :

This material complies with FDA 21 CFR 177.1520 when used unmodified and according to good manufacturing practices for food contact applications. Accordingly, this material may be used in all food contact applications.

IMPORTANT NOTICE :

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