

# LANUFENE® LLF-183N

MI 3.0

Linear Low Density Polyethylene

Density 0.918

## Description

LANUFENE® LLF-183N is a linear low density polyethylene for cast film extrusion with high mechanical properties and good processability. LANUFENE® LLF-183N contains neither slip additive nor antiblocking agent. The film produced from this resin characteristically exhibits excellent optical properties, good toughness and outstanding puncture resistance.

## Typical Properties

Property	ASTM Method	Unit	Value <sup>(1)</sup>
<b>Resin Properties<sup>(2)</sup></b>			
Melt Index, 190°C, 2.16kg	D1238	g/10 min.	3.0
Density, @ 23°C	D1505	g/cm <sup>3</sup>	0.918
Ultimate Tensile Strength	D638	MPa	15
Elongation	D638	%	650
Vicat Softening Temperature	D1505	°C	94
Low Temperature Brittleness	D746	°C	< -70
<b>Film Properties<sup>(3)</sup></b>			
Tensile Strength at Break, MD/TD	D882	MPa	30/25
Elongation at Break, MD/TD	D882	%	450/650
1% Secant Modulus, MD/TD	D882	MPa	150/154
Dart Impact, F <sub>50</sub>	D1709/A	g	120
Haze	D1003	%	4
Gloss, 45°	D2457	-	90

1. Values are typical and should not to be interpreted as specification.

2. Test specimen prepared from compression molded sheet made according to ASTM D1926.

3. The film property has been measured on 25µm thickness of cast film.

## Application

LANUFENE® LLF-183N is particularly suitable for the manufacture of PE Cast Films and other applications where excellent flow properties and good mechanical properties are required.



Ras Lanuf Oil & Gas Processing Co.