

LANUFENE LLF 183N

MFI 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 process-ability. LANUFENE LLF 183N contains neither slip additive nor anti-blocking agent. The film produced from this resin characteristically exhibits good toughness, and outstanding puncture resistance.

Typical Properties

Property	ASTM Method	Unit	Value ⁽¹⁾
Resin Properties ⁽²⁾			
Melt Index, 190°C, 21.6 kg	D1238	g/10 min	3.0
Density, @ 23°C	D1505	g/cm ³	0.918
Ultimate Tensile Strength	D638	MPa	15
Elongation	D638	%	650
Vicat Softening Temperature	D1505	°C	94
Low Temperature Brittleness	D746	°C	< -70
Film Properties ⁽³⁾			
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 ₅₀	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 film 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.



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Processing Conditions

LANUFENE LLF 183N can be extruded on conventional cast film extruder. Recommended melt temperature is 220 - 270°C.

Food Contact Regulations

LANUFENE LLF 183N complies with food packing and food regulations in most countries. If required, please contact us for details.

Storage & Handling

LANUFENE LLF 183N should be stored in dry conditions at temperature below 50°C and protected from UV-light. Improper storage can initiate degradation with resulting order generation and color changes.

Safety

LANUFENE LLF 183N is not classified a dangerous preparation.
Material Safety Data Sheet is available upon request.

Packaging

The standard packaging of LANUFENE LLF 183N is 25kg PE FFS bag with pallet and PE shrink wrapping. Big bags, 500/1,000kg, are available.



Ras Lanuf Oil & Gas Processing Co.