

LANUFENE[®] LLF-1805

MI 0.5

Linear Low Density Polyethylene

Density 0.918

Description

LANUFENE[®] LLF-1805 is a linear low density polyethylene for agricultural greenhouse blown film extrusion with high mechanical properties and good melt strength. LANUFENE[®] LLF-1805 contains antiblocking agent. The film produced from this resin characteristically exhibits good toughness, high tensile properties and outstanding puncture resistance.

Typical Properties

Property	ASTM Method	Unit	Value ⁽¹⁾
Resin Properties⁽²⁾			
Melt Index, 190°C, 2.16g	D1238	g/10 min.	0.5
Density, @ 23°C	D1505	g/cm ³	0.918
Ultimate Tensile Strength	D638	MPa	25
Elongation	D638	%	800
Vicat Softening Temperature	D1505	°C	101
Low Temperature Brittleness	D746	°C	< -70
Film Properties⁽³⁾			
Tensile Strength at Break, MD/TD	D882	MPa	43/34
Elongation at Break, MD/TD	D882	%	500/700
1% Secant Modulus, MD/TD	D882	MPa	220/260
Dart Impact, F ₅₀	D1709/A	g	200

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 38µm film thickness, 2:1 blow-up ratio.

Application

LANUFENE[®] LLF-1805 is recommended for agricultural greenhouse and heavy duty blown film where is a required high mechanical property.



Ras Lanuf Oil & Gas Processing Co.