

# LANUFENE® LLP-2006

MI 0.65

Linear Low Density Polyethylene

Density 0.920

## Description

LANUFENE® LLP-2006 is a linear low density polyethylene for multipurpose extrusion molding applications. The medium broad molecular weight distribution, good melt strength and outstanding mechanical properties make it ideally suited for as pipes and other extrusion molding applications where excellent processability, good environmental stress cracking resistance (ESCR) and high mechanical properties are demanded.

## Typical Properties

Property	ASTM Method	Unit	Value <sup>(1)</sup>
<b>Physical Properties<sup>(2)</sup></b>			
Melt Index, 190°C, 2.16kg	D1238	g/10 min.	0.65
Density, @ 23°C	D1505	g/cm <sup>3</sup>	0.920
Ultimate Tensile Strength	D638	MPa	18
Elongation	D638	%	700
Vicat Softening Temperature	D1505	°C	100
Low Temperature Brittleness	D746	°C	< -70
Environmental Stress Crack Resistance, F <sub>0</sub>	D1693	hrs	> 500
<b>Electrical Properties<sup>(2)</sup></b>			
Dielectrical Constant @ 1 MHz	D1531	-	2.30
Dissipation Factor @ 1 MHz	D1531	-	0.0001
Dielectric Break Down Strength	D149	volt/mil	550
DC Volume Resistivity	D257	ohm.cm	> 1 x 10 <sup>16</sup>

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.

## Application

LANUFENE® LLP-2006 is an especially designed for the manufacture of flexible drip-irrigation pipes and base resin of black jacketing compounds for communication and electrical cables.



Ras Lanuf Oil & Gas Processing Co.