

LANUFENE[®] LLI-2420

MI 20.0

Linear Low Density Polyethylene

Density 0.924

Description

LANUFENE[®] LLI-2420 is a linear low density polyethylene for injection molding with high mechanical properties and excellent processability. The narrow molecular weight distribution and good melt flow make it ideally suited for injection molding applications where good toughness, low warpage, outstanding low temperature performance and good environmental stress cracking resistance (ESCR) are demanded.

Typical Properties

Property ⁽²⁾	ASTM Method	Unit	Value ⁽¹⁾
Melt Index, 190°C, 2.16kg	D1238	g/10 min.	20.0
Density, @ 23°C	D1505	g/cm ³	0.924
Ultimate Tensile Strength	D638	MPa	11
Elongation	D638	%	450
1% Secant Modulus	D638	MPa	314
Notched Izod Impact	D256/A	J/m	500
Vicat Softening Temperature	D1505	°C	94
Low Temperature Brittleness	D746	°C	< -70
Environmental Stress Crack Resistance ⁽³⁾ , F ₅₀	D1693	hrs	150
Mold Shrinkage	PE Method	%	1 - 3

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. 100% Igepal Solution, 50°C, Non-Slitted Specimens

Application

LANUFENE[®] LLI-2420 is suitable for injection molding applications such as housewares, lids, trash cans, industrial containers, automotive parts and toys.

LANUFENE[®] LLI-2420 is also designed for good base resin of various PE master batches.



Ras Lanuf Oil & Gas Processing Co.