

LANUFENE LLI 2420

MFI 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 good process-ability. 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, 21.6 kg	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.



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Processing Conditions

LANUFENE LLI 2420 is a typical LLDPE injection molding grade that has excellent processing characteristics over a wide range of injection molding conditions. Recommended melt temperature is 180 - 270°C.

Food Contact Regulations

LANUFENE LLI 2420 complies with food packing and food regulations in most countries. If required, please contact us for details.

Storage & Handling

LANUFENE LLI 2420 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 LLI 2420 is not classified a dangerous preparation. Material Safety Data Sheet is available upon request.

Packaging

The standard packaging of LANUFENE LLI 2420 is 25kg PE FFS bag with pallet and PE shrink wrapping. Big bags, 500/1,000kg, are available.



Ras Lanuf Oil & Gas Processing Co.