

# LANUFENE<sup>®</sup> HDI-6507

MI 7.5

High Density Polyethylene

Density 0.965

## Description

LANUFENE<sup>®</sup> HDI-6507 is a very high density polyethylene resin for injection molding of products with high mechanical properties and good processability as the main characteristics. The injection molded product from this resin characteristically exhibits good rigidity with outstanding mechanical properties.

## Typical Properties

Property <sup>(2)</sup>	ASTM Method	Unit	Value <sup>(1)</sup>
Melt Index, 190°C, 2.16kg	D1238	g/10min.	7.5
Density, @ 23°C	D1505	G/cm <sup>3</sup>	0.965
Ultimate Tensile Strength	D638	MPa	33
Elongation	D638	%	>1,000
Notched Izod Impact	D256A	J/m	48
Vicat Softening Temperature	D1505	°C	128
Low Temperature Brittleness	D746	°C	< -70
Environmental Stress Crack Resistance <sup>(3)</sup> , F <sub>50</sub>	D1693	hrs	40

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<sup>®</sup> HDI-6507 is recommended for crates, containers, trays and other similar objectives where good rigidity and mechanical properties are needed.



Ras Lanuf Oil & Gas Processing Co.