

# Lanufene HDI-6507N

High Density Polyethylene

Ras Lanuf Oil & Gas Processing Company (RASCO)

## Message:

LANUFENE HDI 6507N is a very high density polyethylene resin for injection molding of products with high mechanical properties and good process-ability as the main characteristics. The injection molded product from this resin characteristically exhibits good rigidity with outstanding mechanical properties.

LANUFENE HDI 6507N is recommended for crates, containers, trays and other similar objectives where good rigidity and mechanical properties are needed.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Density		
	High Rigidity		
Uses	Containers		
	Crates		
	Support Trays		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.965	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance <sup>1</sup> (50°C, 100% Igepal, F50)	40.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	33.0	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	128	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 270	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	
NOTE			
1.	Non-slitted		

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