

Lanufene HDI-6507UV

High Density Polyethylene

Ras Lanuf Oil & Gas Processing Company (RASCO)

Message:

LANUFENE HDI 6507UV is a very high density polyethylene resin for injection molding of products with excellent high mechanical properties and good process-ability as the main characteristics.

LANUFENE HDI 6507UV contains proper UV light stabilizers. The injection molded product from this resin characteristically exhibits good rigidity, excellent UV resistance, and outstanding mechanical properties.

LANUFENE HDI 6507UV is particularly suitable for the manufacture of crates, containers, trays and other similar injection molded objectives where good weather-ability and mechanical properties are needed.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Processability		
	Good UV Resistance		
	Good Weather Resistance		
	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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance ¹ (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	

NOTE

1. Non-slitted

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