

Lanufene LLF 182H

Linear Low Density Polyethylene
Ras Lanuf Oil & Gas Processing Company (RASCO)

Message:

LANUFENE LLF 182H is a linear low density polyethylene for general purpose blown film extrusion with high mechanical properties and good process-ability. LANUFENE LLF 182H contains slip additive and anti-blocking agent. The film produced from this resin characteristically exhibits good toughness, high tensile properties, outstanding puncture resistance and good optical properties. LANUFENE LLF 182H is recommended for the manufacture of thin gauged general purpose blown films such as industrial liners, food packaging and agricultural mulching film.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	Good Toughness		
	High Tensile Strength		
	Opticals		
	Puncture Resistant		
	Slip		
Uses	Agricultural Applications		
	Film		
	Food Packaging		
	Liners		
Forms	Pellets		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Secant Modulus			ASTM D882

1% Secant, MD : 38 μm	220	MPa	
1% Secant, TD : 38 μm	260	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 μm	34.0	MPa	
TD : Break, 38 μm	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 μm	700	%	
TD : Break, 38 μm	750	%	
Dart Drop Impact (38 μm)	60	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 μm)	60		ASTM D2457
Haze (38.0 μm)	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 210	°C	

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