Lanufene LLF 182N

Linear Low Density Polyethylene

Ras Lanuf Oil & Gas Processing Company (RASCO)

Message:

LANUFENE LLF 182N is a linear low density polyethylene for general purpose blown film extrusion with high mechanical properties and good process-ability. LANUFENE LLF 182N contains neither slip additive nor anti-blocking agent. The film produced from this resin characteristically exhibits good toughness, high tensile properties, and outstanding puncture resistance.
LANUFENE LLF 182N is a particularly suitable for blending with LDPE and/or HDPE, Coextrusion, heavy duty bags and stretch film application.

General Information	
Features	Food Contact Acceptable Good Processability Good Toughness High Tensile Strength Puncture Resistant
Uses	Blending Film Heavy-duty Bags Stretch Wrap
Forms	Pellets
Processing Method	Blown Film Coextrusion Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	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)	750	%	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	750	%	
TD : Break, 38 µm	700	%	
Dart Drop Impact (38 µm)	68	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)	55		ASTM D2457
Haze (38.0 µm)	13	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	180 to 210	°C	

Recommended distributors for this material

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