



TECHNICAL DATA SHEET (TDS)

LLDPE LL1-18X LINEAR LOW DENSITY POLYETHYLENE

OVERVIEW: Hexene copolymer, low gel count.

High strength and toughness.

Applications: Stretch films, Co-extruded structures, heavy duty bags and sacks, and trash bags and liners.

Complies with U.S FDA 21 CFR 177.1520 (C) 3.2a.

ADDITIVE: Antiblock : Yes Slip: Yes Processing Antioxidant: Yes

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	1.0
Density	ASTM D792	g/cm ³	0.919
Film Properties			
Tensile strength at Break MD	ASTM D882	Psi/MPa	5900/40.7
Tensile strength at Break TD	ASTM D882	Psi/MPa	4100/28.3
Elongation at Break MD	ASTM D882	%	670
Elongation at BreakTD	ASTM D882	%	900
1% Secant Modulus MD	ASTM D882	Psi/MPa	30000/206.8
1% Secant Modulus TD	ASTM D882	Psi/MPa	36000/248.2
Dart Drop Impact (F₅₀)	ASTM D1709/A	g	220
Haze	ASTM D1003	%	15

Test specimens for blown film: nominal thickness 1.0 mil; blow-up ratio 2.5:1, die gap 100 mils.

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