



TECHNICAL DATA SHEET (TDS)

LLDPE LL1-24X
LINEAR LOW DENSITY POLYETHYLENE

OVERVIEW: Hexene copolymer.
Good toughness and tear resistance.
Complies with: U.S. FDA, FCN 741

ADDITIVE: Antiblock: 2500 ppm Slip:1000 ppm Processing Aid: No

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	1.3
Density	ASTM D792	g/cm ³	0.924
Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1730/11.9
Tensile strength at yield TD	ASTM D882	Psi/MPa	1790/12.4
Tensile strength at break MD	ASTM D882	Psi/MPa	5900/40.7
Tensile strength at Break TD	ASTM D882	Psi/MPa	4660/32.1
Elongation MD	ASTM D882	%	680
Elongation TD	ASTM D882	%	730
2% Secant Modulus MD	ASTM D882	Psi/MPa	26100/180
2% Secant Modulus TD	ASTM D882	Psi/MPa	31700/218
Dart Drop Impact (F₅₀)	ASTM D1709/B	g	170
Haze	ASTM D1003	%	13
Gloss (45°)	ASTM D2457		59
Elmendorf Tear Strength MD	ASTM 01922	g	680
Elmendorf Tear Strength TD	ASTM 01922	g	1100

Film properties are typical of blown film extruded on a 25" extruder with 6" die and 70-mil die gap at a blow up ratio of 2.5:1, but are dependent upon operating conditions. The values were measured on a 38 µm film in a blown film line with 2.5:1BUR and 0.762 mm die gap.

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