



TECHNICAL DATA SHEET (TDS)

LLDPE LL2-18 LINEAR LOW DENSITY POLYETHYLENE

OVERVIEW: Butene Copolymer.

Toughness and strength, ease of extrusion.

Applications: Industrial liners, heavy duty bags.

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

ADDITIVE: Antiblock: 6300 ppm Slip: 1500 ppm Processing Antioxidant: Yes

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	2.0
Density	ASTM D792	g/cm ³	0.918
Properties			
Tensile strength at yield MD	ASTM D882	Psi/MPa	1500/10
Tensile strength at yield TD	ASTM D882	Psi/MPa	1500/10
Tensile strength MD	ASTM D882	Psi/MPa	4600/32
Tensile strength TD	ASTM D882	Psi/MPa	3600/25
Elongation MD	ASTM D882	%	660
Elongation TD	ASTM D882	%	700
1% Secant Modulus MD	ASTM D882	Psi/MPa	24700/170
1% Secant Modulus TD	ASTM D882	Psi/MPa	27600/190
Dart Drop Impact (F ₅₀)	ASTM D1709/A	g	100
Haze	ASTM D1003	%	14
Gloss (45°)	ASTM D2457		43

Film properties are typical of blown film extruded on a 25" extruder with 4" die and 100-mil die gap at a blow up ratio of 2.5:1, but are dependent upon operating conditions

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