



**TECHNICAL DATA SHEET (TDS)**

**LLDPE LL2-18B**  
**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: None

Slip: None

Processing Antioxidant: Yes

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