



VINPOL™ LD001820 Series

Low Density Polyethylene

Melt Index: 0.18

Density: 0.920

VINPOL LD001820 Series is a fractional melt index grade designed for demanding heavy duty film applications. This product possesses excellent properties with high melt strength, high bubble stability and high throughput. It contains processing aid and thermal stabilizer and is available barefoot (no slip or antiblock) or with antiblock.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	0.18	g/10 min	ASTM D-1238
Density	0.920	g/cm3	ASTM D-1505
Peak Melting Temperature	231	°F	Supplier Method
Tensile Strength at Yield, MD/TD	1,500/1,400	psi	ASTM D-882
Tensile Strength at Break	3,300/2,900	psi	ASTM D-882
Secant Modulus, MD/TD	24,000/32,000	psi	ASTM D-882
Elongation at Break, MD/TD	100/520	%	ASTM D-882
Dart Drop Impact	160	g	ASTM D-1709A
Elmendorf Tear Strength, MD/TD	290/100	g	ASTM D-1922
Puncture Force	96	lbf	Supplier Method
Puncture Energy	45	in-lb	Supplier Method
Gloss (45°)	30	-	ASTM D-2457
Haze	22	%	ASTM D-1003

Additive \ Suffix	-A	-B
Antiblock	Yes	-
Slip	-	-

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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