



VINPOL™ LB02018BE

Linear Low Density Polyethylene

Melt Flow: 2.0

Density: 0.918

VINPOL LB02018BE is an ethylene 1-butene LLDPE designed for the blown film process. Films made from this resin have very good tensile and toughness properties. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Resin Property	Typical Value	Units	Test Method
Melt Flow	2.0	g/10 min	ASTM D-1238
Density	0.918	g/cm ³	ASTM D-792
Peak Melting Temperature	250 (121)	°F (°C)	Supplier Method
Tensile Strength at Yield, MD/TD	1,200/1,400 (8.5/9.3)	psi (MPa)	ASTM D-882
Tensile Strength at Break, MD/TD	4,800/3,400 (33/24)	psi (MPa)	ASTM D-882
Elongation at Break, MD/TD	640/760	%	ASTM D-882
1% Secant Modulus, MD/TD	26,000/33,000 (180/230)	psi (MPa)	ASTM D-882
Dart Drop Impact	<60	g	ASTM D-1709A
Elmendorf Tear Strength, MD/TD	100/400	g	ASTM D-1922
Puncture Force	4 (19)	lbf (N)	Supplier Method
Puncture Energy	4.5 (0.51)	in-lb (J)	Supplier Method
Gloss, 45°	24	-	ASTM D-2457
Haze	25	%	ASTM D-1003

Additive \ Suffix	-B
Antiblock	-
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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