



VINPOL™ LB00822 Series

Linear Low Density Polyethylene

Melt Flow: 0.8

Density: 0.922

VINPOL LB00822 Series is a butene linear low density polyethylene suitable for blown/cast thin gauge applications requiring good stiffness and tensile strength. 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 Index, 190°C/2.16kg	0.8	g/10 min	ASTM D-1238
Density	0.922	g/cc	ASTM D-792
Tensile Strength at Yield (MD/TD)	1,500/1,600	psi	ASTM D-882
Tensile Strength at Break (MD/TD)	8,000/5,000	psi	ASTM D-882
Elongation at Break (MD/TD)	540/820	%	ASTM D-882
1% Secant Modulus (MD/TD)	34,000/39,000	psi	ASTM D-882
Dart Drop Impact	70	g	ASTM D-1709A
Elmendorf Tear Strength (MD/TD)	50/620	g/mil	ASTM D-1922
Puncture Force	8	lbf	Supplier Method
Peak Melting Temperature	253	°F	Supplier Method
Vicat Softening Temperature	219	°F	Supplier Method
Gloss (45°)	34	-	ASTM D-2457
Haze	17	%	ASTM D-1003

Additive \ Suffix	-B	-CP
Antiblock	-	Medium
Slip	-	Medium
PPA	-	Yes

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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