



VINPOL™ LB02118 Series

Linear Low Density Polyethylene

Melt Flow: 2.1

Density: 0.918

VINPOL LB02118 Series is a general purpose butene based LLDPE film grade resin made via gas phase technology. This product has excellent toughness and puncture resistance and 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. Typical applications include food packaging, industrial liners, and trash can liners. VINPOL LB2118B is a barefoot version, and VINPOL LB2118C contains medium levels of Slip and Antiblock additives.

Resin Property	Typical Value	Units	Test Method
Melt Flow	2.1	g/10 min	ASTM D-1238
Density	0.918-0.922*	g/cm ³	Supplier Method
Tensile Strength at Break (MD/TD)	5,000/3,600	psi	ASTM D-882
Tensile Elongation at Break (MD/TD)	450/850	%	ASTM D-882
Dart Drop Impact	70	g	ASTM D-1709A
Elemdorf Tear Strength (MD/TD)	50/400	g	ASTM D-1922

*For LB2118C (with Slip and Antiblock additives)

Additive \ Suffix	-B	-C
Antiblock	-	Medium
Slip	-	Medium

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.