



VinPol™ LO01018 Series

Linear Low Density Polyethylene

Melt Index: 1.0

Density: 0.918

VINPOL LO01018 series is an octene linear low density polyethylene resin designed for general purpose, food packaging, freezer, lamination and sealant film. The barefoot version (no slip or antiblock additives) is **VINPOL LO01018B**, and the version with medium slip and antiblock additives is **VINPOL LO01018C**. This resin is compliant with U.S. Food and Drug Administration 21 CFR 177.1520(c) for olefin polymers.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	1.0	g/10 min	ASTM D-1238
Density	0.918	g/cm ³	ASTM D-792
Tensile Strength at Yield, 1.0 mil (MD/TD)	1,500(10)/1,500(10)	psi (MPa)	ASTM D-882
Tensile Strength at Break, 1.0 mil (MD/TD)	7,000(48)/4,600(32)	psi (MPa)	ASTM D-882
1% Secant Modulus, 1.0 mil (MD/TD)	25,400(175)/28,300(195)	psi (MPa)	ASTM D-882
Tensile Elongation @ Break, 1.0 mil (MD/TD)	480/670	%	ASTM D-882
Dart Drop Impact, F ₅₀ , 1.0 mil	270	g	ASTM D-1709/A
Elmendorf Tear Strength, 1.0 mil (MD/TD)	420/605	g	ASTM D-1922
Gloss, 45°, 1.0 mil	59	-	ASTM D-2457
Haze, 1.0 mil	10	%	ASTM D-1003

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 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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

Rev. Date 12/20/2021

