



VINPOL™ LS01018 Series

Linear Low Density Polyethylene

Melt Index: 1.0

Density: 0.918

VINPOL LS01018 is a high strength ethylene 1-hexene linear low density polyethylene resin suitable for applications requiring high strength, tear resistance, clarity, and processability. 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, 2.16 Kg at 190 °C	1.0	g/10 min	ASTM D-1238
Density	0.918	g/cm ³	ASTM D-1505
Tensile Strength at Break (MD/TD)	7000/5500	psi	ASTM D-882
Tear Strength (MD/TD)	400/650	g/mil	ASTM D-1922
Secant Modulus (MD/TD)	28000/30000	psi	ASTM D-822
Elongation (MD/TD)	700/900	%	ASTM D-882
Yield Strength	1000/1200	psi	ASTM D-882
Dart Drop Impact	400	g/mil	ASTM D-1709

Additive \ Suffix	-A	-B	-BO	-C	-D	-DP
Antiblock	High	-	-	Low	High	High
Slip	-	-	-	Medium	Medium	Medium
Antioxidant	-	-	Yes	-	-	-
Processing Aid	-	-	-	-	-	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 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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