

VINPOL™ LD00322

Low Density Polyethylene

Melt Index: 0.3

Density: 0.922

VINPOL LD00322 is a high molecular weight, low density polyethylene blown film resin suitable for heavy duty film requiring high strength and processability. This product processes well in conventional extruders with low energy consumption and is capable of producing film with good dimensional control. It meets the 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	0.3	g/10 min	ASTM D-1238
Density	0.922	g/cm ³	ASTM D-792
Tensile Strength at Break (MD/TD)	2,900 (20)/2,900 (20)	psi (MPa)	ASTM D-882
Elongation at Break (MD/TD)	380/910	%	ASTM D-882
2% Secant Modulus (MD/TD)	20,305 (140)/21,755(150)	psi (MPa)	ASTM D-882
Elmendorf Tear Strength (MD/TD)	300/220	g	ASTM D-1922
Dart Drop Impact	230	g/F50	ASTM D-1709
Haze	20	%	ASTM D-1003
Gloss, 45°	39	-	ASTM D-2457
Gloss, 60°	49	-	ASTM D-2457

**Blown Film Properties: 70 micron thick film processed in a 50mm blown film line with barrier screw, 25:1 L/D and a 1.0 mm die gap at a 2.3:1 BUR.*

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.