



VinPOL™ HD10H50L

High Density Polyethylene

MI: 0.06

Density: 0.949

VINPOL HD10H50L is a high molecular weight high density copolymer that offers broad, bi-modal molecular weight distribution, high stiffness and good heat seal strength. This product is used in bags and pouches, such as merchandise, produce and retail carryout bags, trash can liners, and specialty blown film.

*Resin Property	Typical Value	Units	Test Method
Melt Index, 190°C/2.16 kg condition	0.06	g/10 min	ASTM D-1238
Density	0.949	g/cm ³	ASTM D-1505
Tensile Strength at Yield (MD/TD)	5,000 (34.5)/4,200 (29)	psi (MPa)	ASTM D-638
Tensile Strength at Break (MD/TD)	12,200 (84) / 8,300 (57)	psi (MPa)	ASTM D-882
Tensile Elongation at Break (MD/TD)	320/390	%	ASTM D-882
Secant Modulus (MD/TD)	137,000 (945) / 152,000 (1,050)	psi (MPa)	ASTM D-882
Elmendorf Tear Strength (MD/TD)	11/76	g	ASTM D-1922
Dart Drop Impact Strength, F50	340	g	ASTM D-1709

**Film data obtained from sample produced on an Alpine 200 mm line equipped with a three layer die (40/35/25) with three extruders (65mm/75mm/50mm), IBC, a 1.5mm die gap, neck height of 8XDD, 4:1 BUR, 0.8 mil thick film processed at 500 lbs/hr.*

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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