



VINPOL™ HD000659BF

High Density Polyethylene

Melt Flow: 0.057

Density: 0.959

VINPOL HD000659BF is a high molecular weight High Density Polyethylene film resin. This product exhibits excellent tensile properties and high stiffness. It is particularly suited for draw tape applications.

*Resin Property	Typical Value	Units	Test Method
Melt Index, 190°C/2.16kg	0.057	g/10 min	ASTM D-1238
Density	0.959	g/cm ³	ASTM D-1505
Peak Melting Temperature	271 (133)	°F (°C)	Supplier Method
Crystallization Peak, Tc	246 (119)	°F (°C)	Supplier Method
Tensile Strength at Yield (MD/TD)	5,900 (41)/5,200 (36)	psi (MPa)	ASTM D-882
Tensile Strength at Break (MD/TD)	13,000 (90)/11,000 (80)	psi (MPa)	ASTM D-882
Tensile Elongation at Break (MD/TD)	310/380	%	ASTM D-882
Secant Modulus, 1% Secant (MD/TD)	180,000 (1,300)/180,000 (1,300)	psi (MPa)	ASTM D-882
Dart Drop Impact	290	g	ASTM D-1709A
Elmendorf Tear Strength (MD/TD)	9/20	g	ASTM D-1922

Note: This product is not intended for use in medical applications and should not be used in any such applications.

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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