



VINPOL™ HD32051

High Density Polyethylene

Melt Index: 32.0

Density: 0.951

VINPOL HD32051 is an *FDA compliant, high density polyethylene copolymer intended for use in a variety of injection molding applications. It has natural color, good organoleptic properties, an excellent balance of impact and stiffness, very good warpage resistance and high surface gloss properties.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	32.0	g/10 min	ASTM D-1238
Density	0.951	g/cm ³	ASTM D-792
Yield Strength, 50mm/min	23 (3,300)	MPa (psi)	ASTM D-638
Elongation, 50mm/min	200	%	ASTM D-638
Flexural Modulus	1,000 (145,000)	MPa (psi)	ASTM D-790
Hardness, Shore D	62		ASTM D-2240
Vicat Softening Point	120 (248)	°C (°F)	ASTM D-1525
Low Temperature Brittleness Point	< -70 (< -94)	°C (°F)	ASTM D-746
Snake Flow Number	30.5 (12)	cm (in)	

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.