



VinPol™ HD00345

High Density Polyethylene

Melt Index: 0.35

Density: 0.945

VINPOL HD00345 is a high density polyethylene designed for blow molding applications requiring high stress crack resistance and impact performance. Typical applications include agricultural product containers, household and industrial chemical containers, and food and pharmaceutical packaging. This product has NSF and UL compliance (contact your VPA customer service representative for more information).

*Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	0.35	g/10 min	ASTM D-1238
Density	0.945	g/cc	ASTM D-1505
ESCR, 100% Igepal	>1,000	hrs	ASTM D-1693
Tensile Strength at Yield	3,500 (24)	psi (MPa)	ASTM D-638
Flexural Modulus, 1% Secant	150,000 (1,000)	psi (MPa)	ASTM D-790
Tensile Impact Strength	110 (230)	ft-lb/in ² (kJ/m ²)	ASTM D-790
Deflection Temperature Under Load, 66 psi	143 (62)	°F (°C)	ASTM D-648
Vicat Softening Temperature	250 (121)	°F (°C)	ASTM D-1525
Brittleness Temperature	<-105 (<-76)	°F (°C)	ASTM D-648

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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