



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

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