



VinPOL™ HD08065 Series

High Density Polyethylene

Melt Index: 8.0

Density: 0.965

VINPOL HD08065 Series is a narrow molecular weight distribution homopolymer HDPE with high stiffness. It has good color, low odor and processing stability. Typical applications include cases, crates, trays, tote bins and open-head pails. It is available in barefoot and UV stabilized versions.

Resin Property	Typical Value	Units	Test Method
Melt Index, 190 °C/2.16kg	8	g/10 min	ASTM D-1238
Density	0.965	g/cm ³	ASTM D-1505
Bulk Density	33-37	lb/ft ³	ASTM D-1895
Tensile Strength, 23°C, 50 mm/min @ Yield	4,650 (32)	Type IV specimen Psi (MPa)	ASTM D-638
@ Break	4,500 (31)	Psi (MPa)	ASTM D-638
Tensile Elongation, 23°C, 50 mm/min @ Yield	7	Type IV specimen %	ASTM D-638
@ Break	16	%	ASTM D-638
Tensile Young's Modulus, 50 mm/min, Type I specimen	180,000 (1,240)	psi (MPa)	ASTM D-638
Flexural Modulus, 1% Secant, 0.5 in/min	240,000 (1,650)	psi (MPa)	ASTM D-790
Flexural Modulus, 2% Secant, 0.5 in/min	204,000 (1,410)	psi (MPa)	ASTM D-790
Flexural Young's Modulus, 2% Secant, 0.5 in/min	257,000 (1,770)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength 23°C	0.68 (36)	ft-lb/in (J/m)	ASTM D-256
Hardness	73	Shore D	ASTM D-2240
Vicat Softening Point	267 (131)	°F (°C)	ASTM D-1525
Low Temperature Brittleness, F ₅₀	-99 (-73)	°F (°C)	ASTM D-746
DTUL, 66psi, Unannealed	181 (83)	°F (°C)	ASTM D-648
Melting Temperature	272 (133)	°F (°C)	ASTM D-3418
Crystallization Temperature	244 (118)	°F (°C)	ASTM D-3418

Suffix	-	-U
Additive	none	UV

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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