



VINPOL™ HD07063

High Density Polyethylene

MI: 7.0

Density: 0.961

VINPOL HD07063 is a high density polyethylene used for injection molding applications. It has high stiffness and is designed for maximum impact strength and toughness properties. It is used in applications, such as tote boxes and beverage crates. This resin complies with U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520*.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	7.0	g/10 min	ASTM D-1238
Density	0.961	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min pull speed.	4,000	psi	ASTM D-638
Elongation at Break, 50 mm/min pull speed.	1,200	%	ASTM D-638
Flexural Modulus	185,000	psi	ASTM D-790
ESCR, (F ₅₀), 100% Igepal, Cond. A Hardness, Shore D Vicat Softening Point	<10 65 129	hrs Deg. C	ASTM D-1693 ASTM D-2240 ASTM D-1525

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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