



## VINPOL™ HD04847

### High Density Polyethylene

Melt Index: 4.8

Density: 0.947

**VINPOL HD04847** is a butene copolymer high density polyethylene copolymer suitable for injection molding applications. It has a combination of excellent stiffness, good impact resistance and low warpage. It also has an elevated level of processing antioxidant. This product complies with U.S. Food and Drug Administration as specified in 21 CFR 177.1520, para. (c) 3.2a, covering safe use of polyolefin articles intended for direct food contact.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	4.8	g/10 min	ASTM D-1238
Density	0.947	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength @ Yield, 50 mm/min	3,200 (22)	psi (MPa)	ASTM D-638
Tensile Elongation @ Break, 50 mm/min	1,000	%	ASTM D-638
Flexural Modulus	124,700 (860)	psi (MPa)	ASTM D-790
Hardness	65	Shore D	ASTM D-2240
Vicat Softening Point	252 (122)	°F (°C)	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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