



VINPOL™ HD06754

High Density Polyethylene

Melt Index: 6.7

Density: 0.954

VINPOL HD06754 is a high density polyethylene used for injection molding applications. It has excellent process-ability, an outstanding balance of stiffness, cold temperature impact toughness, ESCR and good organoleptic and color properties. It is used in applications, such as bulk food, industrial and lubricant shipping pails, caps and closures, and bins and totes. 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	6.7	g/10 min	ASTM D-1238
Density	0.954	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min pull speed	4,000 (28)	psi (MPa)	ASTM D-638
Elongation at Break, 50 mm/min pull speed	1,300	%	ASTM D-638
Flexural Modulus	155,000 (1,070)	Psi (MPa)	ASTM D-790
ESCR, (F ₅₀), 100% Igepal, Cond. A	< 10	hrs	ASTM D-1693
Hardness, Shore D	63		ASTM D-2240
Vicat Softening Point	255 (124)	°F (°C)	ASTM D-1525
Notched Izod Impact Strength, 23°C	0.9 (48)	ft-lb/in (J/m)	ASTM D-256
Unnotched Izod Impact Strength, -18°C	No Break		ASTMD-4812

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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