



## VINPOL™ HD0252

### High Density Polyethylene

Melt Index: 2

Density: 0.952

**VINPOL HD0252** is a high density polyethylene designed for injection and compression molding with an excellent balance of stiffness, toughness, organoleptics and environmental stress crack resistance. It is a top choice for caps and closures and collapsible tubes for water, CSD and other food and non-food products.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 kg at 190 °C	2	g/10 min	ISO 1133-1
Melt Index, 5 kg at 190 °C	5.6	g/10 min	ISO 1133-1
Density	0.952	g/cm <sup>3</sup>	ISO 1133-1
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Tensile Modulus	1,100	MPa	ISO 527-1, -2
ESCR, Cap test (4 MPa, 2% Arkopal, 50°C)	>= 45	hrs	Supplier Method
Charpy Izod Impact Strength, Notched, 23°C	10.4	kJ/m <sup>2</sup>	ISO 179
Charpy Izod Impact Strength, Notched, -30°C	5.3	kJ/m <sup>2</sup>	ISO 179
Vicat Softening Point, B50	74	°C	ISO 306
Shore Hardness	70	Shore D	ISO 868

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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