



VINPOL™ HD00355

High Density Polyethylene

Melt Index: 0.3

Density: 0.955

VINPOL HD00355 is a high density polyethylene (Gas Phase) product. Designed for blow molding applications requiring high stiffness and stress crack resistance. Also usable as a sheet extrusion and thermoforming resin. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, 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	0.3	g/10 min	ASTM D-1238
Density	0.955	g/cc	ASTM D-1505
ESCR Condition B, (100% Igepal), F ₅₀	48	hrs	ASTM D-1693
Tensile Yield Strength, 2" (50mm) per min.	4500	psi	ASTM D-638
Ultimate Elongation, 2"(50mm) per min	>800	%	ASTM D-638
Flexural Modulus	175,000	psi	ASTM D-790

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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