



VINPOL™ HD00354 Series

High Density Polyethylene

Melt Index: 0.3

Density: 0.954

VINPOL HD00354 Series is a high density polyethylene (Phillips process). 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	0.954	g/cc	ASTM D-1505
ESCR			
Condition A, (10% Igepal), F ₅₀	37	hrs	ASTM D-1693
Condition B, (100% Igepal), F ₅₀	35	hrs	ASTM D-1693
Tensile Yield Strength, 2" (50mm) per min.	4000	psi	ASTM D-638 Type IV
Ultimate Elongation, 2"(50mm) per min	>550	%	ASTM D-638 Type IV
Flexural Modulus	200,000	psi	ASTM D-790

Additive/Suffix	<u>S</u>
Antistatic	Yes

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.