

VINPOL™ HD06H45U

High Density Polyethylene

HLMI: 6.0

Density: 0.945

VINPOL HD06H45U is a high molecular weight high density polyethylene copolymer suitable for blow molding applications which require high melt, impact strength, chemical resistance, and ESCR. Contains UV protection additive. 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	< 0.1	g/10 min	ASTM D-1238
21.6 Kg at 190°C (HL)	6.0	g/10 min	ASTM D-1238
Density	0.945	g/cm ³	ASTM D-4883
Tensile Strength at Yield	3300	psi	ASTM D-638
Elongation at Break	1100	%	ASTM D-638
Flexural Modulus	150,000	psi	ASTM D-790
ESCR, 100% Igepal	>1000	Hrs	ASTM D-1693

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