

VINPOL™ HD10064

High Density Polyethylene

MI: 10.0

Density: 0.964

VINPOL HD10064 is a homopolymer high density polyethylene used for injection molding applications. It has excellent process-ability, an outstanding balance of stiffness, impact toughness and low warpage for improved part quality and consistency. It is used in applications, such as crates, pallets, totes and pails. 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	10.0	g/10 min	ASTM D-1238
Density	0.964	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min pull speed.	4,000 (27)	psi (MPa)	ASTM D- 638
Tensile Strength, 50 mm/min.	2,000 (14)	psi (MPa)	ASTM D-638
Elongation at Break, 50 mm/min pull speed.	100	%	ASTM D-638
1% Flexural Secant Modulus	246,000	Psi	ASTM D-790
Hardness, Shore D	68		ASTM D-2240
Vicat Softening Point	131	Deg. C	ASTM D-1525

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