



VinPol™ HD04847
High Density Polyethylene

Melt Index: 4.8

Density: 0.947

VINPOL HD04847 is a butene copolymer high density polyethylene copolymer suitable for injection molding applications. It has a combination of excellent stiffness, good impact resistance and low warpage. It also has an elevated level of processing antioxidant. This product complies with U.S. Food and Drug Administration as specified in 21 CFR 177.1520, para. (c) 3.2a, 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	4.8	g/10 min	ASTM D-1238
Density	0.947	g/cm ³	ASTM D-792
Tensile Strength @ Yield, 50 mm/min	3,200 (22)	psi (MPa)	ASTM D-638
Tensile Elongation @ Break, 50 mm/min	1,000	%	ASTM D-638
Flexural Modulus	124,700 (860)	psi (MPa)	ASTM D-790
Hardness	65	Shore D	ASTM D-2240
Vicat Softening Point	252 (122)	°F (°C)	ASTM D-1525

