



VinPol™ HD10H50
High Density Polyethylene

HLMI: 10

Density: 0.950

VINPOL HD10H50 is a HMW-HDPE resin suitable for use in high strength and high stiffness film applications. 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, Condition E, 2.16 Kg at 190°C Condition F, 21.6 Kg at 190°C (HL)	0.06 10.0	g/10 min g/10 min	ASTM D-1238 ASTM D-1238
Density	0.950	g/cc	ASTM D-1505
Elmendorf Tear Strength (MD/TD)	10/25	g/mil	ASTM D-1922
Tensile Strength at Yield (MD/TD)	5400/4500	Psi	ASTM D-638
Tensile Strength at Break (MD/TD)	10000 / 7000	Psi	ASTM D-882
Elongation (MD/TD)	300/400	%	ASTM D-882

