



VinPol™ HD30H58
High Density Polyethylene

HLMI: 30.0

Density: 0.958

VINPOL HD30H58 is a high density polyethylene resin suitable for stiff cast/blown film applications. Also can be used in an LLDPE blend. 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	0.45	g/10 min	ASTM D-1238
21.6 Kg at 190°C (HL)	30	g/10 min	ASTM D-1238
Density	0.958	g/cc	ASTM D-1505
Tensile Strength at Yield (MD/TD)	4,800/5,200	psi	ASTM D-882
Tensile Strength at Break (MD/TD)	11,000/5,600	psi	ASTM D-882
Elongation at Break (MT/TD)	400/6	%	ASTM D-882
Secant Modulus – 1% Secant (MD/TD)	150,000/ 220,000	psi	ASTM D-882
Elmendorf Tear Strength (MD/TD)	10/1,200	g	ASTM D-1922

