



VinPol™ HD05849
High Density Polyethylene

Melt Index: 5.75

Density: 0.949

VINPOL HD05849 is a narrow molecular weight distribution high density polyethylene copolymer. This resin exhibits excellent impact stretch while maintaining good stiffness, and is suitable for a variety of industrial 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, 2.16 Kg at 190 °C	5.75	g/10 min	ASTM D-1238
Density	0.949	g/cm ³	ASTM D-4883
Tensile Strength at Yield	20	MPa	ASTM D-638
Elongation at Break	600	%	ASTM D-638
Flexural Modulus	1000	MPa	ASTM D-790

