

VINPOL™ LH01017BP

Linear Low Density Polyethylene

Melt Index: 1.0

Density: 0.917

VINPOL LH01017BP is a hexene linear low density polyethylene resin, designed for blown film applications requiring toughness and strength. This resin is barefoot and contains a processing aid. 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	1.0	g/10 min	ASTM D-1238
Density	0.917	g/cm ³	ASTM D-1505
Peak Melting Temperature	255	°F	Supplier Method
Tensile Strength at Yield (MD/TD)	1300/1400	psi	ASTM D-882
Tensile Strength at Break (MD/TD)	7800/6800	psi	ASTM D-882
Elongation at Break (MD/TD)	540/790	%	ASTM D-882
1% Secant Modulus (MD/TD)	28,000/35,000	psi	ASTM D-882
Dart Drop Impact	170	g	ASTM D-1709A
Elmendorf Tear Strength (MD/TD)	310/710	g/mil	ASTM D-1922
Puncture Force	9	lbf	Supplier Method
Puncture Energy	30	in-lb	Supplier Method
Gloss (45°)	38	-	ASTM D-2457
Haze	13	%	ASTM D-1003

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