

VINPOL™ LS01017B

Linear Low Density Polyethylene

Melt Index: 0.90

Density: 0.917

VINPOL LS01017B is an ethylene 1-hexene linear low density polyethylene resin suitable for applications requiring high impact and tear strength. It is stabilized for blown film extrusion and does not contain slip or antiblock. 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	0.90	g/10 min	ASTM D-1238
Density	0.917	g/cm ³	ASTM D-1505
Tensile Strength at Yield (MD/TD)	1400/1400	psi	ASTM D-882
Tensile Strength at Break (MD/TD)	8900/7700	psi	ASTM D-882
Elongation at Break (MD/TD)	560/730	%	ASTM D-882
Secant Modulus, 1% (MD/TD)	25000/27000	psi	ASTM D-822
Dart Drop Impact	320	g/mil	ASTM D-1709A
Elmendorf Tear Strength (MD/TD)	410/590	g	ASTM D-1922
Puncture Force	11	lbf	Supplier Method
Puncture Energy	35	In-lb	Supplier Method
Peak Melting Temperature	253	°F	Supplier Method
Gloss (45°)	33	-	ASTM D-2457
Haze	18	%	ASTM D-1003

Additive \ Suffix	-B
Antiblock	-
Slip	-
Antioxidant	Yes
Processing Aid	-

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