

VINPOL™ LO01018 Series

Linear Low Density Polyethylene

Melt Index: 1.0

Density: 0.918

VINPOL LO01018 series is an octene linear low density polyethylene resin designed for general purpose, food packaging, freezer, lamination and sealant film. The barefoot version (no slip or antiblock additives) is **VINPOL LO01018B**, and the version with medium slip and antiblock additives is **VINPOL LO01018C**. This resin is compliant with U.S. Food and Drug Administration 21 CFR 177.1520(c) for olefin polymers.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	1.0	g/10 min	ASTM D-1238
Density	0.918	g/cm ³	ASTM D-792
Tensile Strength at Yield, 1.0 mil (MD/TD)	1,500(10)/1,500(10)	psi (MPa)	ASTM D-882
Tensile Strength at Break, 1.0 mil (MD/TD)	7,000(48)/4,600(32)	psi (MPa)	ASTM D-882
1% Secant Modulus, 1.0 mil (MD/TD)	25,400(175)/28,300(195)	psi (MPa)	ASTM D-882
Tensile Elongation @ Break, 1.0 mil (MD/TD)	480/670	%	ASTM D-882
Dart Drop Impact, F ₅₀ , 1.0 mil	270	g	ASTM D-1709/A
Elmendorf Tear Strength, 1.0 mil (MD/TD)	420/605	g	ASTM D-1922
Gloss, 45°, 1.0 mil	59	-	ASTM D-2457
Haze, 1.0 mil	10	%	ASTM D-1003

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