VINPOL™ LD00322F

Low Density Polyethylene

| Melt Index: 0.33 | Density: 0.922 |

VINPOL LD00322F is a low density polyethylene exhibiting medium optical properties in film. This resin is formulated without slip and antiblock for use in high performance film applications offering excellent extrusion processing and outstanding melt strength characteristics suitable for thick film gauges and large lay flat widths. It meets the 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, 190°C/2.16 kg	0.33	g/10 min	ASTM D-1238
Density	0.922	g/cm^3	ASTM D-1505
Tensile Strength at Yield (MD/TD)	1,800 (12)/1,700 (12)	psi (MPa)	ASTM D-882
Tensile Strength at Break (MD/TD)	2,900 (20)/2,500 (17)	psi (MPa)	ASTM D-882
Elongation at Break (MD/TD)	280/540	%	ASTM D-882
1% Secant Modulus (MD/TD)	33,000 (228)/41,000(283)	psi (MPa)	ASTM D-882
Elmendorf Tear Strength (MD/TD)	260/460	g	ASTM D-1922
Dart Drop Impact	490	g	ASTM D-1709
Haze	15	%	ASTM D-1003
Gloss, 45°	45	-	ASTM D-2457

Note: Film properties based on 1.5 mil (38.1 micron) thick film produced on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 340-360°F (171-182°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43 kg/hr/cm). Actual film properties may vary based on extrusion equipment, operating conditions and additive package. Film properties are not intended to be used as specifications.