



VINPOL™ LL100029B

Linear Low Density Polyethylene

Melt Index: 100

Density: 0.929

VINPOL LL100029 is a pelletized LLDPE copolymer resin exhibiting excellent flow, warp resistance and surface appearance for injection molding. Typical applications include lids and thin-walled items that require high flow and short cycle times. 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	100	g/10 min	ASTM D-1238
Density	0.929	g/cm ³	ASTM D-1505
Spiral Flow	23.2 (59.0)	in (cm)	Supplier Method
Tensile Strength at Yield	2,200 (15)	psi (MPa)	ASTM D-638
Tensile Strength at Break	1,700 (12)	psi (MPa)	ASTM D-638
Elongation at Yield	11	%	ASTM D-638
Flexural Modulus – 1% Secant	80,000 (550)	psi (MPa)	ASTM D-790
Flexural Modulus – 2% Secant	69,000 (480)	psi (MPa)	ASTM D-790
Shore Hardness, Shore D	60	-	ASTM D-2240
Vicat Softening Temperature	182 (83)	°F (°C)	ASTM D-1525
Low Temperature Brittleness, F50	-22 (-30)	°F (°C)	ASTM D-746
DTUL, 66 psi, Unannealed	124 (51)	°F (°C)	ASTM D-648

Additive \ Suffix	-B
Antiblock	-
Slip	-

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