



## VINPOL™ LD10018

### Low Density Polyethylene

Melt Index: 10

Density: 0.918

**VINPOL LD10018** is a LDPE extrusion coating/injection molding grade designed for flexible packaging applications such as sugar pouches, industrial and multi-wall bags, treated and primed films and laminations. Other applications include caps and closures, and color concentrates. This product offers high speed extrusion coating at speeds exceeding 1,500 fpm with minimal neck-in.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	10	g/10 min	ASTM D-1238
Density, 23°C	0.918	g/cm <sup>3</sup>	ASTM D-1505
Flexural Modulus, 1% Secant	33,400 (230)	psi (MPa)	ASTM D-790
Tensile Strength at Break	1,750 (12)	psi (MPa)	ASTM D-638
Tensile Strength at Yield	1,450 (10)	psi (MPa)	ASTM D-638
Tensile Elongation at Break	560	%	ASTM D-638
Tensile Elongation at Yield	19	%	ASTM D-638
Vicat Softening Point	185 (85)	°F (°C)	ASTM D-1525
Hardness	54	Shore D	ASTM D-2240

*Tensile properties were run with a crosshead speed of 20 inches/min or 500 mm/min.*

*Flexural Modulus properties were run with a crosshead speed of 0.5 inches/min or 12.5 mm/min.*

*Mechanical tensile properties were run on a Type IV specimen.*

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