

## VINPOL™ EV0218L

### Ethylene Vinyl Acetate Copolymer

Melt Index: 2.0

Density: 0.935

**VINPOL EV0218L** is an ethylene vinyl acetate copolymer resin with excellent flexibility and low temperature properties. Applications include blown and cast film converted medium to heavy gauge film for bags and pouches, lamination and sealants and specialty films. Also, it is used in carpet backing, Wire and Cable applications and injection and blow molding parts. This grade contains no slip or antiblock.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	2.0	g/10 min	ASTM D-1238
Vinyl Acetate Content	18	wt%	Supplier Method
Vicat Softening Temperature	142 (61)	°F (°C)	ASTM D-1525
Low Temperature Brittleness	< -105 (< -76)	°F (°C)	ASTM D-746
*Tensile Strength at Yield, MD/TD	670(4.6) / 600(4)	psi (MPa)	ASTM D-882
*Tensile Strength at Break, MD/TD	4,900(34) / 4,600(32)	psi (MPa)	ASTM D-882
*Elongation at Yield, MD/TD	14/12	%	ASTM D-882
*Elongation at Break, MD/TD	560/670	%	ASTM D-882
*1% Secant Modulus, MD/TD	7,000(48) / 7,700(53)	psi (MPa)	ASTM D-882
* Elmendorf Tear Strength, MD/TD	115/220	g	ASTM D-1922
*Dart Drop Impact, F50	600	g	SATM D-1709
Hardness Shore A	91	-	ASTM D-2240
Haze	1.3	%	ASTM D-1003
Gloss, 45°	90	-	ASTM D-2457

\*Data obtained from 2.0 mil (51 micron) film produced on a blown film line with a 4" (102mm) die, 370°F (188°C) melt temperature, 2.5:1 BUR, 0.025" die gap at 60 lbs/hr.

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