

## VINPOL™ EV0303

### Ethylene Vinyl Acetate Copolymer

Melt Index: 2.5

Wt. % VA: 3

**VINPOL EV0303** is a 3 wt. % vinyl acetate copolymer. The vinyl acetate content of this resin provides good heat sealing and good cold temperature toughness when compared to LDPE homopolymers. This product contains 800 ppm Slip, 2,500 ppm Antiblock, and thermal stabilizer. Typical applications include carpet backing, co-extrusion films, foams, form-fill-seal packaging, freezer film, high clarity and lamination film.

*Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	2.5	g/10 min	ASTM D-1238
Vinyl Acetate Content	3	wt%	Supplier Method
Density	0.925	g/cm <sup>3</sup>	ASTM D-1505
Peak Melting Point	223 (106)	°F (°C)	Supplier Method
Tensile Strength at Yield, MD	1,300 (9)	psi (MPa)	ASTM D-882
Tensile Strength at Yield, TD	1,300 (9)	psi (MPa)	ASTM D-882
Tensile Strength at Break MD	3,400 (23)	psi (MPa)	ASTM D-882
Tensile Strength at Break TD	2,800 (19)	psi (MPa)	ASTM D-882
Elongation at Break MD	190	%	ASTM D-882
Elongation at Break TD	520	%	ASTM D-882
1% Secant Modulus MD	21,000 (150)	psi (MPa)	ASTM D-882
1% Secant Modulus TD	25,000 (170)	psi (MPa)	ASTM D-882
Dart Drop Impact	120	g	ASTM D-1709A
Elmendorf Tear Strength MD	240	g	ASTM D-1922
Elmendorf Tear Strength TD	150	g	ASTM D-1922
Puncture Force	6	lbf	Supplier Method
Puncture Energy	4	in-lb	Supplier Method
Gloss (45°)	77	-	ASTM D-2457
Haze	5	%	ASTM D-1003

*\*Film Properties from 1.5 mil (38.1 micron) film produced on a 2.5 in (63.5 mm) blown film line with a 2.5:1 BUR, 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).*

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