

## VINPOL™ MD00337

### Medium Density Polyethylene

Melt Index: 0.3

Density: 0.937

**VINPOL MD00337** is an ethylene-hexene copolymer medium density polyethylene designed for blown film applications requiring high stiffness, toughness, blending with LDPE and excellent bubble stability. Targeted applications include retail bags, mailer bags and industrial liners, among others.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.0 kg at 190 °C	0.3	g/10 min	ASTM D-1238
Density	0.937	g/cm <sup>3</sup>	ASTM D-1505
*Elmendorf Tear, MD/TD	16/1,600	g/mil	ASTM D-1922
*Tensile Strength at Break, MD/TD	7,900 (54) / 5,600 (49)	psi (MPa)	ASTM D-882
*Dart	50	g/mil	ASTM D-1709
*Coefficient of Friction	0.25		ASTM D-1894
*Tensile Elongation at Break, MD/TD	310/840	%	ASTM D-882
*1% Secant Modulus, MD/TD	88,000 (607) / 121,000 (834)	psi (MPa)	ASTM D-882
*WVTR	0.82 (12.7)	g/100in <sup>2</sup> /day (g/m <sup>2</sup> /day)	ASTM F-1249
*OTR	390 (6,000)	cm <sup>3</sup> /100in <sup>2</sup> /day (cm <sup>3</sup> /m <sup>2</sup> /day)	ASTM D-3985

*\*Nominal blown film properties at 1 mil. Produced using a grooved feed extruder at a rate of 8 lb/in die with a 2.5:1 BUR using a dual lip air ring.*

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