

VINPOL™ LH00240

Linear Low Density Polyethylene

Melt Index: 0.25

Density: 0.940

VINPOL LH00240 is a medium density ethylene-hexene copolymer, blown film grade with high stiffness and shrink along with good optical properties. Excellent bubble stability leads to high output capability in monolayer and coextruded films. Applications include collation shrink, compression packaging, lamination film and multilayer packaging film. This product is TNPP-free.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	0.25	g/10 min	ASTM D-1238
Density	0.940	g/cm ³	ASTM D-1505
Peak Melting Temperature	262 (128)	°F (°C)	Supplier Method
Tensile Strength at Yield (MD/TD)	2800 (19) / 3500 (24)	psi (MPa)	ASTM D-882
Tensile Strength at Break (MD/TD)	9700 (70) / 7000 (49)	psi (MPa)	ASTM D-882
Elongation at Break (MD/TD)	490 / 810	%	ASTM D-882
Secant Modulus (1%)	78000 (540) /110000 (730)	Psi (MPa)	ASTM D-882
Dart Drop Impact	60	g	ASTM D-1709
Elmendorf Tear Strength (MD/TD)	10 / 600	g	ASTM D-1922
Puncture Force	11 (50)	lbf (N)	Supplier Method
Puncture Energy	19 (2.2)	In-lb (J)	Supplier Method
Haze	21	%	ASTM D-1003
Gloss (45°)	26		ASTM D-2457

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