

VINPOL™ LH00825 Series

Linear Low Density Polyethylene

Melt Index: 0.80

Density: 0.925

VINPOL LH00825 Series is a series of linear low density hexene copolymer resins with increased stiffness, tensile and toughness properties suitable for use in demanding packaging applications. Typical applications include freezer film, grocery sacks, heavy duty bags and merchandise bags. The series contains process aid for ease of extrusion and can be blended with LDPE for strength property enhancements.

*Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	0.80	g/10 min	ASTM D-1238
Density	0.925	g/cm ³	ASTM D-1505
Peak Melting Temperature	257 (125)	°F (°C)	Supplier Method
Vicat Softening Temperature	226 (108)	°F (°C)	Supplier Method
Tensile Strength at Yield (MD/TD)	1,700 (12)/1,900 (13)	psi (MPa)	ASTM D-882
Tensile Strength at Break (MD/TD)	8,300 (60)/6,700 (46)	psi (MPa)	ASTM D-882
Elongation at Break (MD/TD)	530/800	%	ASTM D-882
1% Secant Modulus (MD/TD)	38,000 (260) / 46,000 (320)	psi (MPa)	ASTM D-882
Elmendorf Tear Strength (MD/TD)	220/670	g	ASTM D-1922
Puncture Force	11 (47)	in-lb/J	Supplier Method
Puncture Energy	33 (3.7)	in-lb/J	Supplier Method
Gloss, 45°	58	-	ASTM D-2457
Haze (with no antiblock)	14	%	ASTM D-1003

Additive \ Suffix	-B	-A
Antiblock	-	Medium
Slip	-	-

*Film properties measured on 1.0 mil film made on 2.5 in (63.5mm) blown film line with a 2.5:1 BUR, a melt temperature of 395-415°F (202-213°C), a 60 mil (1.52mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm).

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