



VINPOL™ LH02042 Series

Linear Low Density Polyethylene

Melt Index: 2.0

Density: 0.942

VINPOL LH02042 is a hexene medium density polyethylene cast film grade that can be intended for applications requiring strength and stiffness, with good tensile and dart properties. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	2.0	g/10 min	ASTM D-1238
Density	0.942	g/cm ³	ASTM D-1505
Tensile Strength at Yield (MD/TD)	2000/2500	psi	ASTM D-882
Tensile Strength at Break (MD/TD)	10000/6000	psi	ASTM D-882
Elmendorf Tear Strength (MD/TD)	20/350	g/mil	ASTM D-1922
Elongation at Break (MD/TD)	550/850	%	ASTM D-882
Secant Modulus (MD/TD)	55000/60000	psi	ASTM D-882
Dart Drop Impact	< 50	g/mil.	ASTM D-1709
Haze	2.9	%	ASTM D-1003

Additive \ Suffix	-B
Antiblock	-
Slip	-

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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