

VINPOL™ LH0535U

Linear Low Density Polyethylene

Melt Index: 5

Density: 0.935

VINPOL LH0535U is a pelletized, UV stabilized Linear Low Density Polyethylene Hexene copolymer resin with high flow and designed for rotational molded items such as toys, playground equipment, outdoor drums and agricultural and chemical storage containers. This product has excellent ESCR, low temperature impact strength and warp resistance.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	5	g/10 min	ASTM D-1238
Density	0.935	g/cm ³	ASTM D-1505
*Tensile Strength at Yield	2,700 (19)	psi (MPa)	ASTM D-638
Low Temperature Impact, 1/8" @ -40°F	40 (55)	ft-lbs (J)	**ARM
Low Temperature Impact, 1/4" @ -40°F	155 (210)	ft-lbs (J)	**ARM
Flexural Modulus, 1% Secant/2% Secant	105,000 (725)/ 91,000 (625)	psi (MPa)	ASTM D-790
ESCR, F ₅₀ , 100% Igepal, Cond. A	>1000	hrs	ASTM D-1693
DTUL, 66 psi, Unannealed	131 (55)	°F (°C)	ASTM D-648
DTUL, 264 psi, Unannealed	102 (39)	°F (°C)	ASTM D-648

*Tensile properties run with a crosshead speed of 2 in/min or 50 mm/min.

**ARM = Association of Rotational Molders International Test Protocol

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.