

## VINPOL™ LH0440U

### Linear Low Density Polyethylene

Melt Index: 3.6

Density: 0.940

**VINPOL LH0440U** is a pelletized, UV stabilized Linear Medium Density Polyethylene designed for rotational molded items such as playground equipment, jerry cans, IBCs, sports and leisure equipment, toys, outdoor drums, and agricultural, chemical storage and municipal trash containers.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190 °C	3.6	g/10 min	ASTM D-1238
Density	0.940	g/cm <sup>3</sup>	ASTM D-1505
*Tensile Strength at Yield	2,900 (20)	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	160 (215)	ft-lbs (J)	**ARM
Flexural Modulus, 1% Secant/2% Secant	119,000 (820)/ 101,000 (700)	psi (MPa)	ASTM D-790
ESCR, F <sub>50</sub> , 100% Igepal, Cond. A	>1000	hrs	ASTM D-1693
DTUL, 66 psi, Unannealed	136 (58)	°F (°C)	ASTM D-648
DTUL, 264 psi, Unannealed	104 (40)	°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.