

## VINPOL™ LH0735U

### Linear Low Density Polyethylene

Melt Index: 7

Density: 0.935

**VINPOL LH0735U** is a 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	7	g/10 min	ASTM D-1238
Density	0.935	g/cm <sup>3</sup>	ASTM D-1505
*Tensile Strength at Yield	2,700 (18.6)	psi (MPa)	ASTM D-638
Low Temperature Impact, 1/8" @ -40°F	51 (69)	ft-lbs (J)	**ARM
Low Temperature Impact, 1/4" @ -40°F	145 (195)	ft-lbs (J)	**ARM
Flexural Modulus, 1% Secant/2% Secant	107,000 (740)/91,000 (625)	psi (MPa)	ASTM D-790
ESCR, F <sub>50</sub> , 100% Igepal, Cond. A	>1000	hrs	ASTM D-1693
DTUL, 66 psi, Unannealed	135 (57)	°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

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