

VINPOL™ LH0242U

Linear Low Density Polyethylene

Melt Index: 2.0

Density: 0.942

VINPOL LH0242U is a pelletized, UV stabilized Linear Medium Density Polyethylene with hexene comonomer, designed for rotational molded items such as intermediate bulk containers (IBCs), large tanks and other industrial parts.

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	3,400 (23)	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	147,000 (1,010)/ 124,000 (855)	psi (MPa)	ASTM D-790
ESCR, F ₅₀ , 100% Igepal, Cond. A	400	hrs	ASTM D-1693
ESCR, F ₅₀ , 10% Igepal, Cond. A	50	hrs	ASTM D-1693
DTUL, 66 psi, Unannealed	149 (65)	°F (°C)	ASTM D-648
DTUL, 264 psi, Unannealed	109 (43)	°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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