

VINPOL™ LH0242UG

Linear Low Density Polyethylene

Melt Index: 2.0

Density: 0.942

VINPOL LH0242UG is a 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. It is available in a powder at 35-mesh granulation.

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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