

Linear Low Density Polyethylene ML3400N

Description:

The resin ML3400N is a Linear Low Density Polyethylene developed for rotational molding.

Applications:

General purpose

Kayaks, toys

Maritime, Agricultural and automotive parts

Technical Characteristics:

Good surface finishing

Excellent processability

Low warpage

UV and heat stabilization

Additives:

Weathering resistance UV8 and antioxidants

Resin Properties:

	Método ASTM	Unidades	Típicos
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	5.5
Density	D 1505	g/cm ³	0.935
Melting Temperature	D 3418	°C	125

Typical Properties ^a:

	Método ASTM	Unidades	Típicos
Tensile Strength at Yield	D 638	MPa	17
Tensile Elongation at Yield	D 638	%	17
Tensile Elongation at Break	D 638	%	>1000
Flexural Modulus	D 790	MPa	530
Environmental Stress Cracking Resistance ^b : 10% Igepal 100% Igepal	D 1693	h/F50	38 400
Heat Deflection Temperature: 0.455 MPa 1.82 MPa	D 648	°C	56 40
Impact Strength at -40°C: 3.17 mm thickness 6.34 mm thickness	ARM	J	46 120

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 50°C.

(c) Rotomolded plaque.

