

Linear Low Density Polyethylene ML3601U

Description:

The resin ML3601U is a Linear Low Density Polyethylene indicated for rotational molding.

Applications:

Large tanks
Water tanks
Tanks for chemical and agricultural products
Septic tanks and manholes

Technical Characteristics:

Good surface finishing
Excellent impact resistance
Creep Resistance
UV and heat stabilization

Additives:

Weathering resistance UV14 and antioxidants.

Resin Properties:

	Método ASTM	Unidades	Típicos
Melt Flow Rate (190/2.16)	D 1238	g/10 min	3.3
Density	D 1505	g/cm ³	0.939
Melting Temperature	D 3418	°C	127

Typical Properties ^a:

	Método ASTM	Unidades	Típicos
Tensile Strength at Yield	D 638	MPa	21
Tensile Elongation at Yield	D 638	%	14
Tensile Elongation at Break	D 638	%	> 1000
Flexural Modulus	D 790	MPa	760
Environmental Stress Cracking Resistance(ESCR) ^b : 10% Igepal 100% Igepal	D 1693	h/F50	145 > 1000
Heat Deflection Temperature: 0,455 MPa 1,82 MPa	D 648	°C	60 41
Impact Strength at -40°C: 3,17 mm thickness 6,34 mm thickness	ARM	J	82 228
OIT	D3895	Min.	>100

(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.

