

Linear Low Density Polyethylene ML3602U

Description:

The resin ML3602U is a Linear Low Density Polyethylene indicated for rotational molding.

Applications:

High mechanical resistance parts large tanks for water
Technical, agricultural and automotive parts
Water tanks

Technical Characteristics:

Good surface finishing
Excellent processability
Standard color for natural parts
Excellent balance between stiffness and impact resistance
UV and heat stabilization

Additives:

Weathering resistance UV8 and antioxidants.

Resin Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	5.0
Density	D 1505	g/cm ³	0.937
Melting Temperature	D 3418	°C	127

Typical Properties ^a:

	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	MPa	20
Tensile Elongation at Yield	D 638	%	13
Tensile Elongation at Break	D 638	%	> 1000
Flexural Modulus	D 790	MPa	740
Environmental Stress Cracking Resistance(ESCR) ^b : 10% Igepal 100% Igepal	D 1693	h/F50	22 > 1000
Heat Deflection Temperature: 66 psi (0,45 MPa) 264 psi (1,82 MPa)	D 648	°C	59 44
Impact Strength at -40°C ^c : 3,17 mm thickness 6,34 mm thickness	ARM	J	80 220

(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.

