Braskem

Datasheet
26/12/2018

Linear Low Density Polyethylene ML3601U

Description:

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

Technical Characteristics:
- Good surface finishing
- Excellent impact resistance
- Creep Resistance
- UV and heat stabilization

Additives:
- Weathering resistance UV14 and antioxidants.

Applications:
Large tanks for water storage, Septic tanks, Storage tanks for chemical and agricultural products, Watter tanks

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	3.3
Density	D 792	g/cm³	0.939

Typical Properties:
Plaque properties

Feature	Method	Units	Values
Elongation at Yield (a)	D 638	%	14
Elongation at Break (a)	D 638	%	> 1000
Tensile Strength at Yield (a)	D 638	MPa	21
Flexural Modulus - 1% Secant (b)	D 790	MPa	760
Environmental Stress Cracking Resistance - Notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	D 1693	h/F50	145
Environmental Stress Cracking Resistance - Notch 0,3 mm; 50°C; 100% Igepal CO630 (a)	D 1693	h/F50	> 1000
Deflection Temperature under Load at 0,455 MPa (b)	D 648	°C	60
Deflection Temperature under Load at 1,82 MPa (b)	D 648	°C	41
Impact Strength - Thickness 3,17 mm (c)	ARM	J	82
Impact Strength - Thickness 6,34 mm (c)	ARM	J	228
OIT	D 3895	min	> 100

Typical properties correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4702. Thickness of test piece: a) 2 mm; b) 3 mm; c) Rotomolded plaque. Test temperature -40°C.

Final Remarks:
1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.