Braskem

Datasheet
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Linear Low Density Polyethylene ML3400N

Description:

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

Technical Characteristics:
- Good surface finishing
- Excellent processability
- Low warpage
- UV and heat stabilization

Additives:
- Weathering resistance UV8 and antioxidants

Applications:
Kayak, toys, General use articles, Automotive article, Agricultural article

Processes:
Rotational Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	5.5
Density	D 792	g/cm³	0.935

Typical Properties:
Plaque properties

Feature	Method	Units	Values
Elongation at Yield (a)	D 638	%	17
Elongation at Break (a)	D 638	%	> 1000
Tensile Strength at Yield (a)	D 638	MPa	17
Flexural Modulus - 1% Secant (b)	D 790	MPa	530
Environmental Stress Cracking Resistance - Notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	D 1693	h/F50	38
Environmental Stress Cracking Resistance - Notch 0,3 mm; 50°C; 100% Igepal CO630 (a)	D 1693	h/F50	400
Deflection Temperature under Load at 0,455 MPa (b)	D 648	°C	56
Deflection Temperature under Load at 1,82 MPa (b)	D 648	°C	40
Impact Strength - Thickness 3,17 mm (c)	ARM	J	40

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

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