Braskem

Folha de Dados

Linear Low Density Polyethylene ML2400N

Description:

The resin ML2400N is a Linear Low Density Polyethylene with good flexibility and low warpage. Without slip agent. Narrow molecular weight distribution.

Applications:

Masterbatches;
High productivity injection of pigmented closures;
Housewares.

Processing Conditions:

This resin was developed to be injected under conditions comparable to polyethylene resins with similar melt index and density range. Spiral flow 29,6.
Temperature Range: 150 to 210 ºC.
The optimized process conditions may vary depending on the equipment used.

Resin Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	20
Density	D 1505	g/cm3	0.926

Typical Properties:

Plaque Properties[a]

	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	MPa	12
Tensile Elongation at Yield	D 882	%	16
Tensile Strength at Break	D 638	MPa	11
Tensile Elongation at Break	D 638	%	340
Flexural Modulus – 1% Secant	D 790	MPa	415
Shore D Hardness	D 2240	-	49
Notched Izod Impact Strength	D 256	J/m	485
Environmental Stress Cracking Resistanceb: 10% Igepal	D 1693	h/F50	1.5
Vicat Softening Temperature at 10 N	D 1525	°C	94
Deflection Temperature under Load at 0.455 MPa	D 648	ºC	46

(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; 50ºC.