

Braskem PE ML2400N

Linear Low Density Polyethylene

Braskem

Message:

The resin ML2400N is a Linear Low Density Polyethylene, 1-butene based, 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.

General Information			
Features	Butene Comonomer		
	Good Flexibility		
	Low Warpage		
	Narrow Molecular Weight Distribution		
Uses	Closures		
	Household Goods		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 10% Igepal, Compression Molded, F50)	1.50	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	12.0	MPa	
Break, Compression Molded	11.0	MPa	
Tensile Elongation			ASTM D638
Yield, Compression Molded	16	%	
Break, Compression Molded	340	%	
Flexural Modulus - 1% Secant (Compression Molded)	415	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method


Notched Izod Impact (Compression Molded)	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	46.0	°C	ASTM D648
Vicat Softening Temperature	94.0	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Processing (Melt) Temp	150 to 210	°C	
NOTE			
1.	Loading 1 (10 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT