Marlex® 1122B

Low Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® 1122B is a Low Density Polyethylene material. It is available in Latin America or North America for extrusion.
Important attributes of Marlex® 1122B are:
Food Contact Acceptable
Good Flexibility
Homopolymer
Sterilizable
Warp Resistant
Typical applications include:
Caps/Lids/Closures
Food Contact Applications
Medical/Healthcare

General Information			
Features	Autoclavable		
	Food Contact Acceptable		
	Good Flexibility		
	Homopolymer		
	Medium Flow		
	Warp Resistant		
Uses	Closures		
	Medical/Healthcare Applications		
Agency Ratings	ASTM D 4976-PE113		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength [1] (Yield)	10.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	500	%	ASTM D638
Flexural Modulus - Tangent [3]	270	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746A

Vicat Softening Temperature	93.0	°C	ASTM D1525 [4]
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	13 mm/min		
4.	Rate A (50°C/h), Loading 1 (10 N)		

Recommended distributors for this material

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WECHAT