Marlex® C101

Linear Low Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® C101 is a Linear Low Density Polyethylene material. It is available in Latin America or North America for blow molding.
Important attributes of Marlex® C101 are:
Clarity
Hexene Comonomer
High ESCR (Stress Crack Resistant)
High Gloss
Typical applications include:
Bottles
Containers
Food Contact Applications

General Information			
Features	Hexene Comonomer High ESCR (Stress Crack Resist.) High Gloss Medium Clarity		
Uses	Blown Containers Bottles Squeeze Bottles		
Agency Ratings	ASTM D 4976-PE213 FDA 21 CFR 177.1520(c) 3.2a 2		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.916	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
10% Igepal, Compression Molded, F50	> 1000	hr	ASTM D1693A
100% Igepal, Compression Molded, F50	> 1000	hr	ASTM D1693B
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Compression Molded)	10.0	MPa	ASTM D638
Tensile Elongation [2] (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent [3] (Compression Molded)	270	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	13 mm/min		

Recommended distributors for this material

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