

Marlex® C300

Medium Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® C300 is a Medium Density Polyethylene material. It is available in Latin America or North America for blow molding.
Important attributes of Marlex® C300 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		
	Medium Density		
Uses	Blown Containers		
	Bottles		
	Squeeze Bottles		
Agency Ratings	ASTM D 4976-PE224		
	FDA 21 CFR 177.1520(c) 3.2a 2		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.933	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
100% 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)	18.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	800	%	ASTM D638

Flexural Modulus - Tangent ³ (Compression Molded)	720	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746A
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	13 mm/min		

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Recommended distributors for this material

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