

# Marlex® 1007

Low Density Polyethylene  
Chevron Phillips Chemical Company LLC

Message:

Marlex® 1007 is a Low Density Polyethylene material. It is available in Latin America or North America for injection molding.  
Important attributes of Marlex® 1007 are:  
Food Contact Acceptable  
Good Flexibility  
Homopolymer  
Sterilizable  
Warp Resistant  
Typical applications include:  
Automotive  
Caps/Lids/Closures  
Food Contact Applications  
Household Applications

General Information			
Features	Autoclavable		
	Food Contact Acceptable		
	Good Flexibility		
	Good Flow		
	Homopolymer		
	Low Warpage		
Uses	Caps		
	Household Goods		
Agency Ratings	ASTM D 4976-PE113		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	9.00	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	600	%	ASTM D638

Flexural Modulus - Tangent <sup>3</sup> (Compression Molded)	200	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-66.0	°C	ASTM D746A
Vicat Softening Temperature	87.0	°C	ASTM D1525 <sup>4</sup>
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)		

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

