

# Marlex® 5104

Low Density Polyethylene  
Chevron Phillips Chemical Company LLC

Message:

Marlex® 5104 is a Low Density Polyethylene material. It is available in Latin America or North America for blow molding or extrusion. Important attributes of Marlex® 5104 are:

- Clarity
- Good Flexibility
- Homopolymer
- Impact Resistant
- Sterilizable

Typical applications include:

- Additive/Masterbatch
- Adhesives/Tapes
- Bottles
- Consumer Goods
- Food Contact Applications

General Information			
Features	Autoclavable		
	Good Flexibility		
	Good Impact Resistance		
	Homopolymer		
	Medium Clarity		
	Medium Gloss		
Uses	Adhesives		
	Blending		
	Bottles		
	Pharmaceuticals		
	Simulated Wood Parts		
	Toys		
Agency Ratings	ASTM D 4976-PE113		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	16.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup> (Compression Molded)	340	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		

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

