

MarFlex® 7109

Linear Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 7109 is a Linear Low Density Polyethylene material. It is available in Latin America or North America for blown film or coextrusion. Important attributes of MarFlex® 7109 are:

- Good Processability
- Good Stiffness
- Hexene Comonomer

Typical applications include:

- Bags/Liners
- Additive/Masterbatch
- Industrial Applications
- Packaging
- Wrap

General Information			
Features	Good Drawdown		
	Good Processability		
	Good Stiffness		
	Hexene Comonomer		
Uses	Bags		
	Blending		
	Industrial Applications		
	Liners		
	Packaging		
	Stretch Wrap		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Blown Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	1.0		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	207	MPa	

1% Secant, TD : 25 µm, Blown Film	228	MPa	
Tensile Strength			ASTM D882
MD : Break, 25 µm,Blown Film	52.0	MPa	
TD : Break, 25 µm,Blown Film	43.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	560	%	
TD : Break, 25 µm,Blown Film	770	%	
Dart Drop Test - Blown Film (25.4 µm)	115.8	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			ASTM D1922
MD : 25.4 µm	158.3	kN/m	
TD : 25.4 µm	308.9	kN/m	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.4 µm, Blown Film)	100		ASTM D2457
Haze (25.4 µm, Blown Film)	11	%	ASTM D1003
NOTE			
1.	Blown Film		

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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

