

MarFlex® 5619

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5619 is a Low Density Polyethylene material. It is available in Latin America or North America for blown film.

Important attributes of MarFlex® 5619 are:

- Antiblock
- Good Tear Strength
- High Shrinkage
- High Strength
- Slip
- Typical applications include:
 - Bags/Liners
 - Film
 - Packaging
 - Wrap

General Information			
Additive	Antiblock (1500 ppm)		
	Slip (400 ppm)		
Features	Antiblocking		
	Good Abrasion Resistance		
	Good Tear Strength		
	High Shrinkage		
	High Strength		
	Low Friction		
	Slip		
Uses	Film		
	Liners		
	Packaging		
	Shrink Wrap		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.13		ASTM D1894
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	76	μm	
Oxygen Transmission Rate (51 μm, Blown Film)	3300	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (51 μm, Blown Film)	10	g/m ² /24 hr	ASTM F1249
Dart Drop Test - Blown Film (50.8 μm)	88.8	kN/m	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 50.8 μm ¹	40.5	kN/m	
TD : 50.8 μm ²	50.2	kN/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ASTM D1525
Melting Temperature	110	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 50.8 μm, Blown Film)	100		ASTM D2457
Haze (50.8 μm, Blown Film)	7.0	%	ASTM D1003
NOTE			
1.	Blown Film		
2.	Blown Film		

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Recommended distributors for this material

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