

MarFlex® 5613

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5613 is a Low Density Polyethylene material. It is available in Latin America or North America for blown film.

Important attributes of MarFlex® 5613 are:

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

General Information			
Additive	Antiblock (6000 ppm)		
Features	Antiblocking		
	Good Abrasion Resistance		
	Good Tear Strength		
	High Friction		
	High Shrinkage		
	High Strength		
Uses	Film		
	Liners		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.48		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 · mm/m ² /atm/24 hr	ASTM F1249

Dart Drop Test - Blown Film (50.8 μm)	65.6	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			
MD : 50.8 μm	54.1	kN/m	ASTM D1922
TD : 50.8 μm	50.2	kN/m	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
Melting Temperature	111	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 50.8 μm, Blown Film)	89		ASTM D2457
Haze (50.8 μm, Blown Film)	11	%	ASTM D1003
NOTE			

1. Blown Film

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Recommended distributors for this material

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