

# MarFlex® 5754

Low Density Polyethylene  
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5754 is a Low Density Polyethylene material. It is available in Latin America or North America for blown film.

Important attributes of MarFlex® 5754 are:

- Antiblock
- Good Aesthetics
- Good Processability
- Impact Resistant
- Slip
- Typical applications include:
  - Packaging
  - Bags/Liners
  - Coating Applications
  - Film
  - Wrap

General Information			
Additive	Antiblock (2500 ppm)		
	Slip (625 ppm)		
Features	Antiblocking		
	Good Impact Resistance		
	Good Processability		
	Low Friction		
	Opticals		
	Slip		
Uses	Bags		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Shrink Wrap		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method

Coefficient of Friction (Blown Film)	0.20		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	μm	
Secant Modulus - 1% Secant, MD (32 μm)	193	MPa	ASTM D882
Oxygen Transmission Rate (32 μm, Blown Film)	5700	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM D3985
Water Vapor Transmission Rate (32 μm, Blown Film)	17	g/m <sup>2</sup> /24 hr	ASTM F1249
Dart Drop Test - Blown Film (31.8 μm)	42.5	kN/m	ASTM D1709
Elmendorf Tear Strength <sup>1</sup>			ASTM D1922
MD : 31.8 μm	86.9	kN/m	
TD : 31.8 μm	77.2	kN/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
Peak Melting Temperature	112	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 μm)	127		ASTM D2457
Haze (31.8 μm)	5.0	%	ASTM D1003
NOTE			

1. Blown Film

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#### Recommended distributors for this material

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