

MarFlex® 5755

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5755 is a Low Density Polyethylene material. It is available in Latin America or North America.

Important attributes of MarFlex® 5755 are:

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

General Information			
Additive	Antiblock (3000 ppm)		
Features	Antiblocking		
	Good Impact Resistance		
	Good Processability		
	High Friction		
	Opticals		
Uses	Bags		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	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)	0.57		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
Oxygen Transmission Rate (32 µm, Blown Film)	5700	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (32 µm, Blown Film)	17	g/m ² /24 hr	ASTM F1249

Dart Drop Test - Blown Film (31.8 μm)	42.5	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			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
Melting Temperature	112	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 μm, Blown Film)	127		ASTM D2457
Haze (31.8 μm, Blown Film)	5.0	%	ASTM D1003
NOTE			

1. Blown Film

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