

MarFlex® 4571

Low Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

MarFlex® 4571 is a Low Density Polyethylene material. It is available in Latin America or North America for cast film. Primary attribute of MarFlex® 4571: Good Tear Strength.

Typical applications include:

Film

Medical/Healthcare

General Information			
Features	General Purpose		
	Good Drawdown		
	Good Tear Strength		
	High Friction		
	Low Neck-In		
Uses	Cast Film		
	General Purpose		
	Personal Care		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.75		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
Oxygen Transmission Rate (32 µm, Blown Film)	6100	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (32 µm, Blown Film)	13	g/m ² /24 hr	ASTM F1249
Dart Drop Test - Blown Film (31.8 µm)	25.1	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			ASTM D1922
MD : 31.8 µm	123.5	kN/m	
TD	48.3	kN/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
Melting Temperature	109	°C	

Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 µm, Blown Film)	86		ASTM D2457
Haze (31.8 µm, Blown Film)	9.0	%	ASTM D1003
NOTE			
1.	Blown Film		

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