

MarFlex® 5428

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 5428 is a Low Density Polyethylene material. It is available in Latin America or North America for film extrusion.
Important attributes of MarFlex® 5428 are:
Antiblock
Clarity
Slip
Typical applications include:
Film
Bags/Liners

General Information			
Additive	Antiblock (1%)		
	Slip (1000 ppm)		
Features	Antiblocking		
	High Clarity		
	Low Density		
	Slip		
Uses	Bags		
	Cast Film		
	Film		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Cast Film)	0.15		ASTM D1894
Films	Nominal Value	Unit	Test Method
Oxygen Permeability (32 µm)	6300	cm ³ · mm/m ² /atm/24 hr	ASTM D3985
Water Vapor Transmission	14	g/m ² /24 hr	ASTM E96
Dart Drop Test - Cast Film	29.0	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			ASTM D1922
MD	67.6	kN/m	
TD	96.5	kN/m	
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°, 31.8 µm, Cast Film)	115		ASTM D2457
Haze (31.8 µm, Cast Film)	7.0	%	ASTM D1003
NOTE			

1. Cast Film

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Recommended distributors for this material

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