

MarFlex® 1018

Low Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex® 1018 is a Low Density Polyethylene material. It is available in Latin America or North America for extrusion coating.
Important attributes of MarFlex® 1018 are:
Good Processability
Heat Resistant
Typical applications include:
Coating Applications
Food Contact Applications
Packaging
Sealing Applications

General Information			
Features	Good Processability		
	High Heat Resistance		
	Low Neck-In		
Uses	Coating Applications		
	Food Packaging		
	Laminates		
	Paper Coatings		
	Sealants		
Agency Ratings	FDA 21 CFR 177.1520		
	FED L-P-390C, Type I, Class H, Category 5, Grades (1-5)		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Oxygen Transmission Rate ¹ (25 µm, Extrusion Coating)	8000	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate ² (25 µm, Extrusion Coating)	21	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ASTM D1525
Peak Melting Temperature	104	°C	ASTM D3418
NOTE			
1.	Testing performed on coated slip sheet 14.4 lbs/ream		

2.

Testing performed on coated slip
sheet 14.4 lbs/ream

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Recommended distributors for this material

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