

Chevron Phillips Marlex® 5428

This low density polyethylene is tailored for cast film applications that require:

- Excellent openability

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	Base Density; ASTM D1505
Water Vapor Transmission	14.0 g/m ² /day	0.902 g/100 in ² /day	ASTM F1249
Oxygen Transmission Rate	3600 cc/m ² /day	232 cc/100 in ² /day	ASTM D3985
Antiblock Level	10000 ppm	10000 ppm	
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.15	0.15	ASTM D1894
Elmendorf Tear Strength, MD	6.89 g/micron	175 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	9.84 g/micron	250 g/mil	ASTM D1922
Dart Drop	2.95 g/micron	75.0 g/mil	ASTM D1709

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	ASTM D3418
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	115 %	115 %	60°; ASTM D2457

Descriptive Properties	
Antiblock	Very High

Slip

High