

Chevron Phillips MarFlex® 5440 Low Density Polyethylene, Cast Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

This LDPE is tailored for cast film applications that require: Suited for high speed converting Good clarity Low coefficient of friction Typical cast film applications include: Coextruded film General purpose packaging Contains no process aid or antiblock. Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-5440-Low-Density-Polyethylene-Cast-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.925 g/cc	0.925 g/cc	ASTM D1505
Water Vapor Transmission	14.0 g/m ² /day	0.902 g/100 in ² /day	ASTM F1249
Oxygen Transmission Rate	6300 cc/m ² /day	406 cc/100 in ² /day	ASTM D3985
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.15	0.15	ASTM D1894
Elmendorf Tear Strength, MD	7.48 g/micron	190 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	10.0 g/micron	255 g/mil	ASTM D1922
Dart Drop	7.48 g/micron	190 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	4.0 %	4.0 %	ASTM D1003
Gloss	135 %	135 %	at 60°; ASTM D523

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