

Chevron Phillips MarFlex® 5429 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:Excellent openabilitySuited for high speed convertingGood clarityMedium coefficient of frictionTypical cast film applications include:Converter filmGeneral purpose packagingContains no process aid.Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-5429-Low-Density-Polyethylene-Cast-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 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
Antiblock Level	10000 ppm	10000 ppm	
Slip Level	600 ppm	600 ppm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.25	0.25	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 %	at 60°; ASTM D523

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