

Chevron Phillips MarFlex® 1125 Polyethylene; LDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Low density polyethylene. This LDPE is tailored for blown film applications that require: Good impactNo slip, includes antiblockGood processabilityGood sealabilityGood drawdown Applications: Typical blown film applications include: LinersTrash bagsConverter filmsInformation provided by Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-1125-Polyethylene-LDPE.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D-1505
Water Vapor Transmission	15.0 g/m ² /day	0.966 g/100 in ² /day	Blown Film at 1.25 mil; ASTM F-1249
Oxygen Transmission Rate	5200 cc/m ² /day	335 cc/100 in ² /day	Blown Film at 1.25 mil; ASTM D-3985
Melt Index of Compound	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D-1238
Antiblock Level	4000 ppm	4000 ppm	
Slip Level	0.00 ppm	0.00 ppm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.55	0.55	Blown Film at 1.25 mil; ASTM D-1894
Elmendorf Tear Strength, MD	4.92 g/micron	125 g/mil	Blown Film at 1.25 mil; ASTM D-1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	Blown Film at 1.25 mil; ASTM D-1922
Dart Drop	3.15 g/micron	80.0 g/mil	Blown Film at 1.25 mil; ASTM D-1709

Thermal Properties	Metric	English	Comments
Melting Point	107 °C	225 °F	ASTM D-3418
Vicat Softening Point	96.0 °C	205 °F	ASTM D-1525

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	Blown Film at 1.25 mil; ASTM D-1003
Gloss	80 %	80 %	60°, Blown Film at 1.25 mil; ASTM D-2457

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