

Chevron Phillips MarFlex® 2121 Polyethylene; LDPE

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

Material Notes:

Low density polyethylene. This LDPE is tailored for cast film applications that require: Good processability Good drawdown Edge tear resistance Low neck-in Applications: Typical cast film applications include: Personal care General purpose packaging Information provided by Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-2121-Polyethylene-LDPE.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ASTM D-1505
Water Vapor Transmission	8.00 g/m ² /day	0.515 g/100 in ² /day	Cast Film at 2.0 mil; ASTM F-1249
Oxygen Transmission Rate	4000 cc/m ² /day	258 cc/100 in ² /day	Cast Film at 2.0 mil; ASTM D-3985
Melt Index of Compound	1.3 g/10 min @Load 2.16 kg, Temperature 190 °C	1.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D-1238
Antiblock Level	2150 ppm	2150 ppm	
Slip Level	0.00 ppm	0.00 ppm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.50	0.50	Cast Film at 2.0 mil; ASTM D-1894
Elmendorf Tear Strength, MD	14.3 g/micron	364 g/mil	Cast Film at 2.0 mil; ASTM D-1922
Elmendorf Tear Strength, TD	8.27 g/micron	210 g/mil	Cast Film at 2.0 mil; ASTM D-1922
Dart Drop	3.94 g/micron	100 g/mil	Cast Film at 2.0 mil; ASTM D-1709

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	ASTM D-3418
Vicat Softening Point	97.0 °C	207 °F	ASTM D-1525

Optical Properties	Metric	English	Comments
Haze	7.5 %	7.5 %	Cast Film at 2.0 mil; ASTM D-1003
Gloss	103 %	103 %	60°, Cast Film at 2.0 mil; ASTM D-2457

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