

Chevron Phillips MarFlex® 7120X Polyethylene; LLDPE

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

Material Notes:

Hexene linear low density polyethylene. This LLDPE is tailored for applications that require: Good stiffness at thin gauges

Good drawdownExcellent processabilityCan use straight or in blends with LDPE or HDPEAvailable with slip or high stabilization package

Applications: Typical blown and cast film applications include: Stretch wrapOverwrapCoextrusionsInformation provided by Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7120X-Polyethylene-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D-1505
Melt Index of Compound	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D-1238
Antiblock Level	0.00 ppm	0.00 ppm	
Slip Level	0.00 ppm	0.00 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	580 %	580 %	Cast Film at 1.25 mil; ASTM D-882
Film Elongation at Break, TD	780 %	780 %	Cast Film at 1.25 mil; ASTM D-882
Coefficient of Friction	>= 1.0	>= 1.0	Cast Film at 1.25 mil; ASTM D-1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	Cast Film at 1.25 mil; ASTM D-1922
Elmendorf Tear Strength, TD	21.7 g/micron	550 g/mil	Cast Film at 1.25 mil; ASTM D-1922
Dart Drop	5.51 g/micron	140 g/mil	Cast Film at 1.25 mil; ASTM D-1709
Film Tensile Strength at Break, MD	43.0 MPa	6240 psi	Cast Film at 1.25 mil; ASTM D-882
Film Tensile Strength at Break, TD	33.0 MPa	4790 psi	Cast Film at 1.25 mil; ASTM D-882
1% Secant Modulus, MD	200 MPa	29000 psi	Cast Film at 1.25 mil; ASTM D-882
1% Secant Modulus, TD	214 MPa	31000 psi	Cast Film at 1.25 mil; ASTM D-882

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	Cast Film at 1.25 mil; ASTM D-1003
Gloss	140 %	140 %	60°, Cast Film at 1.25 mil; ASTM D-2457

Descriptive Properties	Value	Comments
Process Aid	None	

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