

Chevron Phillips MarFlex® 7105D Polyethylene; LLDPE

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

Material Notes:

Hexene linear low density polyethylene. This LLDPE is tailored for blown film applications that require: High strengthGood drawdownGood processabilityUse alone or in blends with LDPE or HDPE Applications: Typical blown film applications include: Industrial linersHeavy duty bagsInstitutional packagingInformation provided by Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7105D-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	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 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	550 %	550 %	Blown Film at 1 mil; ASTM D-882
Film Elongation at Break, TD	710 %	710 %	Blown Film at 1 mil; ASTM D-882
Coefficient of Friction	1.5	1.5	Blown Film at 1 mil; ASTM D-1894
Elmendorf Tear Strength, MD	16.5 g/micron	420 g/mil	Blown Film at 1 mil; ASTM D-1922
Elmendorf Tear Strength, TD	23.6 g/micron	600 g/mil	Blown Film at 1 mil; ASTM D-1922
Dart Drop	19.7 g/micron	500 g/mil	Blown Film at 1 mil; ASTM D-1709
Film Tensile Strength at Break, MD	59.0 MPa	8560 psi	Blown Film at 1 mil; ASTM D-882
Film Tensile Strength at Break, TD	43.0 MPa	6240 psi	Blown Film at 1 mil; ASTM D-882
1% Secant Modulus, MD	200 MPa	29000 psi	Blown Film at 1 mil; ASTM D-882
1% Secant Modulus, TD	221 MPa	32000 psi	Blown Film at 1 mil; ASTM D-882

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	Blown Film at 1 mil; ASTM D-1003
Gloss	90 %	90 %	60°, Blown Film at 1 mil; ASTM D-2457

Descriptive Properties	Value	Comments
Process Aid	Yes	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China