

Chevron Phillips MarFlex® 7105FL Polyethylene; LLDPE (discontinued **)

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 strength Good drawdown Good processability Use alone or in blends with LDPE or HDPE High amounts of slip and antiblocking agents Applications: Typical blown film applications include: Industrial liners Heavy duty bags Institutional packaging Information provided by Phillips

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7105FL-Polyethylene-LLDPE-nbspdiscontinued-.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

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	540 %	540 %	Blown Film at 1 mil; ASTM D-882
Film Elongation at Break, TD	580 %	580 %	Blown Film at 1 mil; ASTM D-882
Coefficient of Friction	0.10	0.10	Blown Film at 1 mil; ASTM D-1894
Elmendorf Tear Strength, MD	15.7 g/micron	400 g/mil	Blown Film at 1 mil; ASTM D-1922
Elmendorf Tear Strength, TD	21.7 g/micron	550 g/mil	Blown Film at 1 mil; ASTM D-1922
Dart Drop	15.7 g/micron	400 g/mil	Blown Film at 1 mil; ASTM D-1709
Film Tensile Strength at Break, MD	36.0 MPa	5220 psi	Blown Film at 1 mil; ASTM D-882
Film Tensile Strength at Break, TD	34.0 MPa	4930 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	214 MPa	31000 psi	Blown Film at 1 mil; ASTM D-882

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	Blown Film at 1 mil; ASTM D-1003
Gloss	80 %	80 %	60°, Blown Film at 1 mil; ASTM D-2457

Descriptive Properties	Value	Comments
Process Aid	Yes	

Descriptive Properties	Value	Comments
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