

Chevron Phillips Marlex® 7120B

This linear low density polyethylene is an ethylene-hexene copolymer tailored for film applications that require:Excellent processing characteristics
• Exceptional drawdown

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	190 °C/2.16 kg; ASTM D1238E
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	29.5 g/micron	750 g/mil	Notched; ASTM D1992
Dart Drop	5.91 g/micron	150 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	44.8 MPa	6500 psi	ASTM D882
Film Tensile Strength at Break, TD	37.9 MPa	5500 psi	ASTM D882
1% Secant Modulus, MD	228 MPa	33000 psi	ASTM D882
1% Secant Modulus, TD	276 MPa	40000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM D1003
Gloss	65 %	65 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	Cast Film
Die Opening	0.0640 cm	0.0252 in	
Extruder Size	6.35 cm	2.50 in	

Descriptive Properties	
Color	Natural