

Chevron Phillips Marlex® 7308FK

Hexene linear low density polyethylene. This LLDPE is tailored for blown film applications that require:

- Excellent processability
- Increased stiffness

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in³	ASTM D-1505

Melt Index of Compound	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D-1238
------------------------	---	---	-------------

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	400 %	400 %	Blown Film at 1 mil; ASTM D-882
Film Elongation at Break, TD	700 %	700 %	Blown Film at 1 mil; ASTM D-882
Coefficient of Friction	0.15	0.15	Blown Film at 1 mil; ASTM D-1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	Blown Film at 1 mil; ASTM D-1922
Elmendorf Tear Strength, TD	25.6 g/micron	650 g/mil	Blown Film at 1 mil; ASTM D-1922
Dart Drop	4.92 g/micron	125 g/mil	Blown Film at 1 mil; ASTM D-1709
Film Tensile Strength at Break, MD	55.0 MPa	7980 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	290 MPa	42000 psi	Blown Film at 1 mil; ASTM D-882
1% Secant Modulus, TD	345 MPa	50000 psi	Blown Film at 1 mil; ASTM D-882

Optical Properties	Metric	English	Comments
Haze	18 % @Thickness 0.0254 mm	18 % @Thickness 0.00100 in	Blown Film; ASTM D-1003
Gloss	65 %	65 %	60°, Blown Film at 1 mil; ASTM D-2457