

Chevron Phillips Marlex® 9607

Characteristics: Very Low Gel Levels, Produces Very "Clear" Film, Draws to Thin Gauges, Low Taste and Odor Transfer, Excellent MVTR for a Chill Cast Film, Excellent Processability, Excellent Optical Properties

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	ASTM D1505
Moisture Vapor Transmission	0.170 cc-mm/m ² -24hr-atm	0.432 cc-mil/100 in ² -24hr-atm	ASTM F1249
Melt Flow	6.5 g/10 min	6.5 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	870 %	870 %	ASTM D882
Film Elongation at Break, TD	790 %	790 %	ASTM D882
Secant Modulus, MD	0.760 GPa	110 ksi	ASTM D882
Secant Modulus, TD	0.840 GPa	122 ksi	ASTM D882
Elmendorf Tear Strength, MD	1.38 g/micron	35.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
Dart Drop	1.30 g/micron	33.0 g/mil	1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ASTM D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D2457
Gloss	120 %	120 %	at 60°. ASTM D 2457