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Chevron Phillips Marlex® 5755

This low density polyethylene is tailored for blown film applications that require:
• Superb optics

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in³	ASTM D1505
Water Vapor Transmission	15.5 g/m²/day	0.998 g/100 in²/day	ASTM F1249
Oxygen Transmission Rate	6000 cc/m²/day	386 cc/100 in²/day	ASTM D3985
Melt Flow	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 D1238
Antiblock Level	3000 ppm	3000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	245 %	245 %	ASTM D882
Film Elongation at Break, TD	570 %	570 %	ASTM D882
Coefficient of Friction	0.50	0.50	ASTM D1894
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	250 g	250 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	ASTM D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882
1% Secant Modulus, MD	207 MPa	30000 psi	ASTM D882
1% Secant Modulus, TD	241 MPa	35000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	112 °C	234 °F	ASTM D3418
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	125 %	125 %	at 60°; ASTM D 2457