

Chevron Phillips Marlex® 5335

This LDPE is tailored for blown film applications that require:
• Good processability

Physical Properties	Metric	English	Comments
Specific Gravity	0.926 g/cc	0.926 g/cc	ASTM D1505
Water Vapor Transmission	15.5 g/m ² /day	0.998 g/100 in ² /day	ASTM F1249
Oxygen Transmission Rate	6000 cc/m ² /day	386 cc/100 in ² /day	ASTM D3985
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	2750 ppm	2750 ppm	
Slip Level	750 ppm	750 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	330 %	330 %	ASTM D882
Film Elongation at Break, TD	560 %	560 %	ASTM D882
Coefficient of Friction	0.12	0.12	ASTM D1894
Elmendorf Tear Strength, MD	9.45 g/micron	240 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	9.06 g/micron	230 g/mil	ASTM D1922
Dart Drop	2.56 g/micron	65.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	23.0 MPa	3340 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	228 MPa	33000 psi	ASTM D882
1% Secant Modulus, TD	255 MPa	37000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	110 %	110 %	at 60°; ASTM D523