

Chevron Phillips Marlex® 9608XD

This HDPE is tailored for applications that require:

- Very low gel levels

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	ASTM D1505

Water Vapor Transmission	5.00 g/m ² /day	0.322 g/100 in ² /day	ASTM F1249
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Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	870 %	870 %	ASTM D882

Film Elongation at Break, TD	790 %	790 %	ASTM D882
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Elmendorf Tear Strength, MD	1.38 g/micron	35.0 g/mil	ASTM D1922
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Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
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Dart Drop	1.38 g/micron	35.0 g/mil	ASTM D1709
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Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ASTM D882
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Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882
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1% Secant Modulus, MD	758 MPa	110000 psi	ASTM D882
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1% Secant Modulus, TD	841 MPa	122000 psi	ASTM D882
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Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	120 %	120 %	60°; ASTM D2457