

# Chevron Phillips

mLLDPE

D174

Product information				
Manufacturer	Chevron Phillips Chemical Company LLC			
Color	NC			
Material Shape	Pellets			
Process	Extrusion molding			
Polymer	Copolymer			
Material Attribute	Film grade			
Features	Hexene comonomerHigh ClarityHigh glossHigh toughnessLow Specific GravityGood heat sealMetalocene			
Application	Cast filmStretch wrap			
Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow 25µm Cast Film	ASTM D1922	300	g
Elmendorf	Tear Strength xFlow 25µm Cast Film	ASTM D1922	500	g
Elongation	Flow Break 25µm Cast Film	ASTM D882	550	%
Elongation	xFlow Break 25µm Cast Film	ASTM D882	680	%
Falling	Weight Impact Strength 25µm Cast Film	ASTM D1709	260	g/mil
Friction	Coefficient 25µm Cast Film	ASTM D1894	1	
Tensile	Modulus Flow 25µm 1% Secant Cast Film	ASTM D882	110	MPa
Tensile	Modulus xFlow 25µm 1% Secant Cast Film	ASTM D882	117	MPa
Tensile	Strength Flow Yield 25µm Cast Film	ASTM D882	10	MPa
Tensile	Strength xFlow Yield 25µm Cast Film	ASTM D882	9	MPa
Tensile	Strength Flow Break 25µm Cast Film	ASTM D882	54	MPa
Tensile	Strength xFlow Break 25µm Cast Film	ASTM D882	47	MPa
Optical performance	Condition	Standard	Value	Unit
Gloss	60° 25µm Cast Film	ASTM D2457	140	
Haze	25.00µm Cast Film	ASTM D1003	2	%
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.918	g/cm <sup>3</sup>
Melt	Index 190°C 2.16kg	ASTM D1238	4.5	g/10min
Thermal	Condition	Standard	Value	Unit
Heat	Seal Temperature 25µm Cast Film 0.5s	ASTM F88	101	°C