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Marlex® Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 9607 Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

This high density polyethylene is tailored for cast film applications that require:

- Very low gel levels
- Very "clear" film
- Low taste and odor transfer
- Excellent WVTR for a chill cast film
- Easy processing

Typical cast film applications include:

- Coextrusions
- Overwrap
- Food packaging
- Moisture sensitive packaging

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	6.5 g/10 min	ASTM D1238
Density	---	0.962 g/cm^3	ASTM D1505

Nominal Cast Film Properties at 1.25 mil[1]	English	SI	Method
Haze	11 %	11 %	ASTM D1003
Gloss, 60°	120	120	ASTM D2457
Dart	---	40 g/mil	ASTM D1709
Elmendorf Tear MD	---	35 g/mil	ASTM D1922
Elmendorf Tear TD	---	100 g/mil	ASTM D1922
Tensile Strength at Break MD	4200 psi	29 MPa	ASTM D882
Tensile Strength at Break TD	3300 psi	23 MPa	ASTM D882
Tensile Elongation at Break MD	870 %	870 %	ASTM D882
Tensile Elongation at Break TD	790 %	790 %	ASTM D882
1 % Secant Modulus MD	110000 psi	758 MPa	ASTM D882
1 % Secant Modulus TD	122000 psi	841 MPa	ASTM D882
WVTR	0.35 g/100in^2/day	5 g/m^2/day	ASTM F1249

1. Testing performed on a cast line @ 500 ºF and a 0.025 in die gap

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Chevron Phillips CHEMICAL

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