



SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 9659 Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

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

- Outstanding water vapor barrier properties
- Good film strength and toughness for a homopolymer
- Paper-like film texture
- Exceptional drawdown
- Excellent stiffness

Typical blown film applications include:

- Food packaging
- Coextrusions
- Overwraps
- Deli wrap
- Moisture barrier films

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	1 g/10 min	ASTM D1238
Density	---	0.962 g/cm ³	ASTM D1505

Nominal Blown Film Properties at 1 mil ¹	English	SI	Method
COF	0.25	0.25	ASTM D1894
Dart	---	50 g/mil	ASTM D1709
Elmendorf Tear MD	---	19 g/mil	ASTM D1922
Elmendorf Tear TD	---	210 g/mil	ASTM D1922
Tensile Strength at Break MD	6100 psi	42 MPa	ASTM D882
Tensile Strength at Break TD	3800 psi	26 MPa	ASTM D882
Tensile Elongation at Break MD	490 %	490 %	ASTM D882
Tensile Elongation at Break TD	550 %	550 %	ASTM D882
1 % Secant Modulus MD	156000 psi	1076 MPa	ASTM D882
1 % Secant Modulus TD	198000 psi	1365 MPa	ASTM D882
WVTR	0.26 g/100in ² /day	4 g/m ² /day	ASTM F1249
OTR	130 cm ³ /100in ² /day	2000 cm ³ /m ² /day	ASTM D3985

1. Produced using a grooved feed extruder at a rate of 8 lb/in die with a 2.5:1 BUR using a dual lip air ring

Another quality product from

