

Marlex® 2130 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

This low density polyethylene is tailored for film applications that require:

- Good processability

Typical film applications include:

- General purpose packaging
- Personal care

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	1.25 g/10 min	ASTM D1238
Density	---	0.924 g/cm ³	ASTM D1505
Slip	None	None	---
Antiblock	None	None	---
Vicat Softening Temperature	203 °F	95 °C	ASTM D1525
Melting Point	235 °F	113 °C	ASTM D3418

Nominal Blown Film Properties at 1.25 mil ¹	English	SI	Method
Haze	4.3 %	4.3 %	ASTM D1003
Gloss, 60°	112	112	ASTM D2457
COF	> 1	> 1	ASTM D1894
Dart	---	80 g/mil	ASTM D1709
Elmendorf Tear MD	---	160 g/mil	ASTM D1922
Elmendorf Tear TD	---	125 g/mil	ASTM D1922
Tensile Strength at Break MD	4,560 psi	31 MPa	
Tensile Strength at Break TD	3,450 psi	24 MPa	
Tensile Elongation at Break MD	310 %	310 %	
Tensile Elongation at Break TD	560 %	560 %	
1 % Secant Modulus MD	30,200 psi	208 MPa	
1 % Secant Modulus TD	34,500 psi	237 MPa	
WVTR	1.0 g/100in ² /day	16 g/m ² /day	ASTM F1249
OTR	440 cm ³ /100in ² /day	6,820 cm ³ /m ² /day	ASTM D3985

1. Produced on LLDPE line 2.5:1 BUR, 35 mil die gap, 8 in die, 250 lb/h, 400 °F melt temperature

Another quality product from

