

For more information and technical assistance contact:

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SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 5561 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Excellent optics
- Good impact strength
- Exceptional processability
- Good heat seal characteristics
- High coefficient of friction

Typical blown film applications include:

- Laminations
- Bakery film
- Case shrink wrap
- Produce and hardware packaging

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	1.3 g/10 min	ASTM D1238
Density	---	0.925 g/cm ³	ASTM D1505
Slip	None	None	---
Antiblock	3000 ppm	3000 ppm	---
Vicat Softening Temperature	212 °F	100 °C	ASTM D1525
Melting Point	233 °F	111 °C	ASTM D3418

Nominal Blown Film Properties at 1.25 mil ¹	English	SI	Method
Haze	5 %	5 %	ASTM D1003
Gloss, 60°	120	120	ASTM D2457
COF	0.5	0.5	ASTM D1894
Dart	---	90 g	ASTM D1709
Elmendorf Tear MD/TD	---	300/320 g	ASTM D1922
Tensile Strength at Break MD/TD	4000/3200 psi	27/22 MPa	ASTM D882
Tensile Elongation at Break MD/TD	275/550 %	275/550 %	ASTM D882
1 % Secant Modulus MD/TD	28000/31000 psi	193/214 MPa	ASTM D882
WVTR	1.0 g/100in ² /day	15.5 g/m ² /day	ASTM F1249
OTR	370 cm ³ /100in ² /day	5500 cm ³ /m ² /day	ASTM D3985

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

