For more information and technical assistance contact:

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Marlex® Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 5626 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Excellent retention of properties after aging
- Excellent shrink properties
- High coefficient of friction

Typical blown film applications include:

- Heavy duty packaging
- Case shrink wrap

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	0.65 g/10 min	ASTM D1238
Density	---	0.922 g/cm³	ASTM D1505
Slip	None	None	---
Antiblock	4000 ppm	4000 ppm	---
Process Aid	---	None	---
Vicat Softening Temperature	201 °F	94 °C	ASTM D1525
Melting Point	237 °F	114 °C	ASTM D3418

Nominal Blown Film Properties at 2.0 mil[1,2]	English	SI	Method
Haze	10 %	10 %	ASTM D1003
Gloss, 60°	80	80	ASTM D2457
COF	0.45	0.45	ASTM D1894
Dart	---	120 g	ASTM D1709
Elmendorf Tear MD/TD	---	220/230 g	ASTM D1922
Tensile Strength at Break MD/TD	3500/3300 psi	24/23 MPa	ASTM D882
Tensile Elongation at Break MD/TD	225/540 %	225/540 %	ASTM D882
1 % Secant Modulus MD/TD	28000/32000 psi	193/220 MPa	ASTM D882
WVTR	1.0 g/100in²/day	15.5 g/m²/day	ASTM F1249
OTR	225 cm³/100in²/day	3500 cm³/m²/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.
2. Not recommended for gauges under 2.0 mil