For more information and technical assistance contact:

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Marlex Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 1122 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Easy processing
- No additives
- Good contact clarity

Typical blown film applications include:

- Liners
- Trash bags
- Masking films

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	2.1 g/10 min	ASTM D1238
Density	---	0.920 g/cm^3	ASTM D1505
Slip	None	None	---
Antiblock	None	None	---
Vicat Softening Temperature	204 °F	96 °C	ASTM D1525
Melting Point	225 °F	107 °C	ASTM D3418

Nominal Blown Film Properties at 1.25 mil[1]	English	SI	Method
Haze	8.5 %	8.5 %	ASTM D1003
Gloss, 60°	85	85	ASTM D2457
COF	> 1	> 1	ASTM D1894
Dart	---	90 g	ASTM D1709
Elmendorf Tear MD/TD	---	175/120 g	ASTM D1922
Tensile Strength at Break MD/TD	3960/3200 psi	27/22 MPa	ASTM D882
Tensile Elongation at Break MD/TD	330/580 %	330/580 %	ASTM D882
1 % Secant Modulus MD/TD	27000/33000 psi	186/227 MPa	ASTM D882
WVTR	1.0 g/100in^2/day	15.5 g/m^2/day	ASTM F1249
OTR	350 cm^3/100in^2/day	5200 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.

Revision Date: August, 2021

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