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Marlex® Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 5335 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Easy processing
- Low coefficient of friction
- Good openability
- Good sealability

Typical blown film applications include:

- Institutional packaging
- Food packaging
- Converter films

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	2.0 g/10min	ASTM D1238
Density	---	0.926 g/cm^3	ASTM D1505
Slip	750 ppm	750 ppm	---
Antiblock	2750 ppm	2750 ppm	---

Nominal Blown Film Properties at 1.25 mil[1]	English	SI	Method
Haze	7 %	7 %	ASTM D1003
Gloss, 60°	110	110	ASTM D2457
COF	0.12	0.12	ASTM D1894
Dart	---	65 g	ASTM D1709
Elmendorf Tear MD/TD	---	240/230 g	ASTM D1922
Tensile Strength at Break MD/TD	3380/3000 psi	23/20 MPa	ASTM D882
Tensile Elongation at Break MD/TD	330/560 %	330/560 %	ASTM D882
1 % Secant Modulus MD/TD	33000/37000 psi	227/225 MPa	ASTM D882
WVTR	1.0 g/100in^2/day	15.5 g/m^2/day	ASTM F1249
OTR	380 cm^3/100in^2/day	6000 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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