For more information and technical assistance contact:

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Marlex® Polyethylene

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.

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Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.