For more information and technical assistance contact:

Chevron Phillips Chemical
P.O. Box 4910
The Woodlands, TX 77387-4910
800.231.1212

Marlex® Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 9659 Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

This high density ethylene homopolymer is tailored for blown film applications that require:

- Good moisture vapor barrier properties
- Paper-like film texture
- Exceptional drawdown
- Excellent stiffness

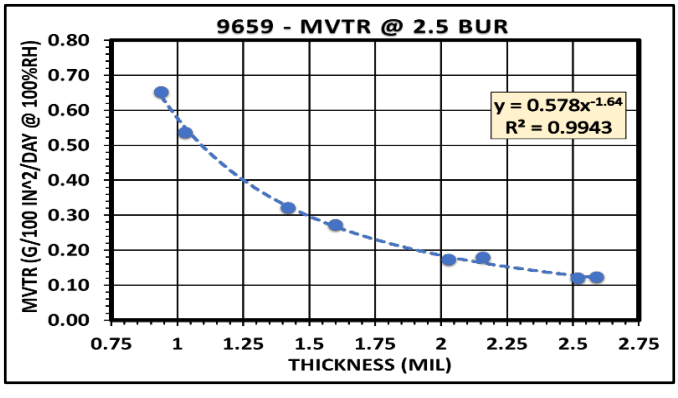
Typical blown film applications include:

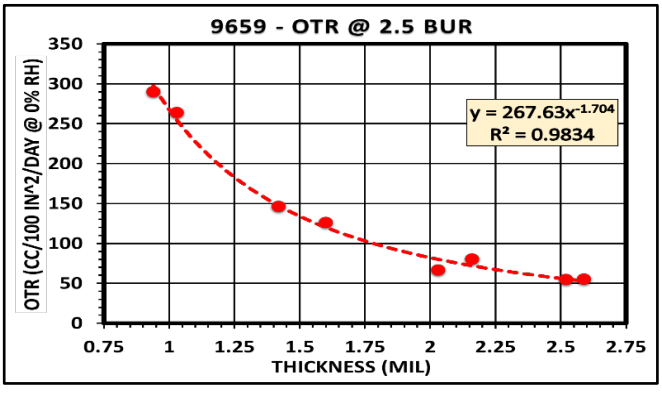
- Food packaging
- Coextrusion applications
- Overwraps
- Deli wrap
- Moisture barrier films

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	1 g/10 min	ASTM D1238
Density	---	0.962 g/cm^3	ASTM D1505

Nominal Blown Film Properties[1] @ 1 mil	English	SI	Method
COF	0.23	0.23	ASTM D1894
Dart	---	< 50 g/mil	ASTM D1709
Elmendorf Tear MD	---	10 g/mil	ASTM D1922
Elmendorf Tear TD	---	400 g/mil	ASTM D1922
Tensile Strength at Break MD	7,000 psi	48 MPa	ASTM D882
Tensile Strength at Break TD	5,000 psi	34 MPa	ASTM D882
1 % Secant Modulus MD	150,000 psi	1,030 MPa	ASTM D882
1 % Secant Modulus TD	225,000 psi	1,550 MPa	ASTM D882
WVTR (@ 2 mil)	0.19 g/100in^2/day	2.9 g/m^2/day	ASTM F1249
OTR (@ 2 mil)	82 cm^3/100in^2/day	1,273 cm^3/m^2/day	ASTM D3985

1. Produced on a 3 in, 30:1 VLB, smooth bore extruder with an 8 in die @ 250 lb/h, 10 lb/h/in of die circumference, 2.5:1 BUR, 80 mil die pin.





Revision Date: August, 2021

Chevron Phillips CHEMICAL

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.