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® 1019 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

This low density polyethylene is tailored for extrusion coating applications that require:

- Excellent processability
- Very high line speed at low coating weights
- Processability at lower extrusion temperatures
- High temperature extrusion stability
- Excellent drawdown characteristics
- Low neck-in

Typical extrusion coating applications may include:

- Food packaging
- Laminations
- Sealant resin
- General paper and board coating
- General flexible packaging

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	16 g/10 min	ASTM D1238
Density	---	0.917 g/cm^3	ASTM D1505
Melting Point	217 °F	103 °C	ASTM D3418

Nominal Extrusion Coating Properties at 1 mil (14.4 lb/ream)[1]	English	SI	Method
WVTR	1.63 g/100in^2/day	25 g/m^2/day	ASTM F1249
OTR	430 cm^3/100in^2/day	7200 cm^3/m^2/day	ASTM D3985

1. Testing performed on coated slip sheet at 14.4 lb/ream or 1.0 mil.

Revision Date: June, 2024

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.