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® 5428 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Excellent openability
- Suited for high speed converting
- Good clarity
- Low COF

Typical cast film applications include:

- Bakery film
- General purpose packaging

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	2.2 g/10 min	ASTM D1238
Density	---	0.930 g/cm^3	ASTM D1505
Slip	1000	1000	---
Antiblock	10000	10000	---
Vicat Softening Temperature	209 ºF	99 ºC	ASTM D1525
Melting Point	232 ºF	111 ºC	ASTM D3418

Nominal Cast Film Properties at 1.25 mil[1]	English	SI	Method
Haze	7 %	7 %	ASTM D1003
Gloss, 60°	115	115	ASTM D2457
COF	0.15	0.15	ASTM D1894
Dart	---	75 g/mil	ASTM D1709
Elmendorf Tear MD	---	175 g/mil	ASTM D1922
Elmendorf Tear TD	---	250 g/mil	ASTM D1922
WVTR	0.90 g/100in^2/day	14 g/m^2/day	ASTM F1249
OTR	420 cm^3/100in^2/day	6300 cm^3/m^2/day	ASTM D3985

1. Produced using a smooth bore extruder at a rate of 7 lb/in die cast film line

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.