

For more information and technical assistance contact:

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



SUPERIOR FLEXIBLE PACKAGING RESINS

MarFlex® 7109

HEXENE LINEAR LOW DENSITY POLYETHYLENE

This LLDPE is tailored for blown film applications that require:

- Good stiffness at thin gauges
- Good drawdown
- Excellent processability
- Use alone or in blends with LDPE or HDPE

Typical blown film applications include

- Industrial liners
- Stretch wrap
- Garment bags
- Carrier bags
- General purpose packaging

| Nominal Resin Properties | English | SI | Method |
|--------------------------|---------|-------------------------|------------|
| Density | --- | 0.918 g/cm ³ | ASTM D1505 |
| Melt Index, 190C/2.16Kg | --- | 0.9 g/10min | ASTM D1238 |
| Process Aid | None | None | --- |
| Antiblock | None | None | --- |
| Slip | None | None | --- |

| Nominal Blown Film Properties at 1 mil ¹ | English | SI | Method |
|---|-----------|-----------|------------|
| Haze | 11 % | 11 % | ASTM D1003 |
| Gloss, 60° | 100 | 100 | ASTM D2457 |
| COF | 1 | 1 | ASTM D1894 |
| Dart | --- | 300 g/mil | ASTM D1709 |
| Elmendorf Tear MD | --- | 410 g/mil | ASTM D1922 |
| Elmendorf Tear TD | --- | 800 g/mil | ASTM D1922 |
| Tensile Strength at Break MD | 7600 psi | 52 MPa | ASTM D882 |
| Tensile Strength at Break TD | 6200 psi | 43 MPa | ASTM D882 |
| Tensile Strength Elongation at Break MD | 560 % | 560 % | ASTM D882 |
| Tensile Strength Elongation at Break TD | 770 % | 770 % | ASTM D882 |
| 1% Secant Modulus MD | 30000 psi | 207 MPa | ASTM D882 |
| 1% Secant Modulus TD | 33000 psi | 228 MPa | ASTM D882 |

1. Produced on 3.5 in extruder 30:1 L/D 8 in Die 80 mil Die Gap 2.5:1 BUR 440 F Melt Temperature.

Revision Date June, 2004

Another quality product from



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.