



# Premium Extrusion & Rigid Packaging Resins

HIGH PERFORMANCE MARLEX® POLYETHYLENE



Quality products from



The Woodlands, Texas

# High Performance Marlex® Polyethylene

With our full range of innovative polyethylene products, leading-edge technologies and application development expertise, the Chevron Phillips Chemical Company LP (Chevron Phillips Chemical) product line can meet the most challenging customer needs. You will find our products under the trusted Marlex® brand name. For sustainable applications our products are not only durable but also recyclable. Our wide array of manufacturing platforms gives Chevron Phillips Chemical the edge in providing the right material for your application, and every product we make is backed by outstanding technical support and world-scale production facilities.

## High Density Polyethylene and Medium Density Polyethylene

Chevron Phillips Chemical has been the leading supplier of high density (HDPE) and medium density (MDPE) polyethylene products since the 1950s. These HDPE and MDPE resins are produced using both Chevron Phillips Chemical's proprietary MarTECH® loop slurry as well as gas phase process technologies. These diverse technology platforms, combined with our innovative research and development team, allow us to provide our customers with products that encompass a broad range of end-use performance. Our sales, marketing and technical support teams can assist with resin selection, process optimization and application development, helping customers innovate and thus maximize the benefits of our resins.

## High Density Polyethylene

### MARLEX® POLYETHYLENE – BLOW MOLDING

| PRODUCT       | MI   | HLMI | DENSITY | APPLICATIONS   |
|---------------|------|------|---------|--|
| EHM 6007      | 0.70 | -    | 0.964   | Liquid Foods   |
| EHM 6004      | 0.37 | -    | 0.963   | Industrial Packaging   |
| 9514H         | 0.30 | -    | 0.957   | Large Parts<br>Industrial Products   |
| 9515H         | 0.34 | -    | 0.957   | Large Parts & Industrial<br>Products (contains<br>antistatic additive)             |
| HHM 5502-01ST | 0.25 | -    | 0.955   | Large Parts &<br>Industrial Products   |
| HHM 5502BN    | 0.35 | -    | 0.955   | Personal Care &<br>Pharmaceuticals   |
| HHM 5502BZ    | 0.35 | -    | 0.955   | Personal Care &<br>Pharmaceuticals (contains<br>mold release)                      |
| HHM 5502LD    | 0.35 | -    | 0.955   | Household & Industrial<br>Chemicals (contains<br>antistatic additive)              |
| HHM 5502LW    | 0.35 | -    | 0.955   | Household & Industrial<br>Chemicals (contains<br>synthetic antistatic<br>additive) |
| 9512H         | 0.35 | -    | 0.954   | Household & Industrial<br>Chemicals  |

| PRODUCT      | MI   | HLMI | DENSITY | APPLICATIONS   |
|--------------|------|------|---------|--|
| 9513H        | 0.35 | -    | 0.954   | Household & Industrial<br>Chemicals (contains<br>antistatic additive)              |
| HXB TR-512   | -    | 5.5  | 0.954   | Large Parts &<br>Industrial Products   |
| HHM 5202BN   | 0.35 | -    | 0.951   | Household & Industrial<br>Chemicals  |
| HHM 4903     | 0.29 | -    | 0.949   | Household & Industrial<br>Chemicals  |
| 9505H        | 0.34 | -    | 0.949   | Household & Industrial<br>Chemicals (contains<br>antistatic additive)              |
| HXM 50100    | -    | 10.0 | 0.948   | Large Parts &<br>Industrial Products   |
| HXM 50100-01 | -    | 12.0 | 0.948   | Large Parts &<br>Industrial Products   |
| 9503H        | 0.31 | -    | 0.946   | Household & Industrial<br>Chemicals (contains<br>antistatic additive)              |
| 9503HF       | 0.31 | -    | 0.946   | Household & Industrial<br>Chemicals (contains<br>synthetic antistatic<br>additive) |
| C513UV       | -    | 6.2  | 0.945   | Large Parts &<br>Industrial Products (contains<br>UV stabilizer)                   |

## MARLEX® POLYETHYLENE – INJECTION MOLDING

| PRODUCT    | MI   | HLMI | DENSITY | APPLICATIONS                            |
|------------|------|------|---------|---|
| HMN 6060   | 6.5  | -    | 0.962   | Pails & Crates                          |
| HMN 6060UV | 6.5  | -    | 0.962   | Pails & Crates (contains UV stabilizer) |
| 9708       | 8.0  | -    | 0.962   | Pails & Crates                          |
| 9004       | 4.5  | -    | 0.953   | Pails & Crates                          |
| 9006       | 6.6  | -    | 0.953   | Pails, Crates & Totes, Housewares       |
| 9012       | 11.5 | -    | 0.952   | Housewares                              |
| 9012C      | 11.5 | -    | 0.952   | Caps & Closures                         |
| 9018       | 20.0 | -    | 0.952   | Housewares, Caps & Closures             |
| 9035       | 40.0 | -    | 0.952   | Thin Wall Food Containers & Toys        |
| 9005       | 6.0  | -    | 0.945   | Large Containers                        |

## MARLEX® POLYETHYLENE – PIPE, CORRUGATED & CONDUIT EXTRUSION

| PRODUCT    | MI   | HLMI | DENSITY | APPLICATIONS                      |
|------------|------|------|---------|-----------------------------------|
| 9332       | 0.31 | -    | 0.943   | Conduit                           |
| HXB TR-494 | -    | 5.5  | 0.954   | Corrugated Pipe                   |
| TRB-490    | -    | 8.0  | 0.950   | Corrugated Pipe (Blend Component) |
| TRB-432    | -    | 8.0  | 0.949   | Pressure Pipe – PE 4710/ PE 100   |
| TRB-437LS  | -    | 9.0  | 0.949   | Pressure Pipe – PE 4710/ PE 100   |
| H525       | -    | 9.0  | 0.948   | Pressure Pipe – PE 4710/ PE 80    |

## MARLEX® POLYETHYLENE – ROTATIONAL MOLDING (PELLETS & 35 MESH POWDER)

| PRODUCT    | MI  | HLMI | DENSITY | APPLICATIONS                     |
|------------|-----|------|---------|----------------------------------|
| HMN TR-945 | 6.0 | -    | 0.945   | Large Tanks & High-Modulus Parts |
| HMN TR-942 | 2.0 | -    | 0.943   | Agricultural & Chemical Tanks    |

## MARLEX® POLYETHYLENE – SHEET EXTRUSION

| PRODUCT       | MI   | HLMI | DENSITY | APPLICATIONS                      |
|---------------|------|------|---------|-----------------------------------|
| K606          | 0.70 | -    | 0.964   | Thick Sheet                       |
| HMM 5502-01ST | 0.25 | -    | 0.955   | Trays & Packaging                 |
| HXM 50100     | -    | 10.0 | 0.948   | Large Parts & Industrial Products |



## Medium Density Polyethylene

### MARLEX® POLYETHYLENE – PIPE EXTRUSION

| PRODUCT     | MI | HLMI | DENSITY | APPLICATIONS                   |
|-------------|----|------|---------|--------------------------------|
| HHM TR-418Q | -  | 20.0 | 0.939   | Pressure Pipe – PE 2708/ PE 80 |

### MARLEX® POLYETHYLENE – ROTATIONAL MOLDING (PELLETS & 35 MESH POWDER)

| PRODUCT    | MI  | HLMI | DENSITY | APPLICATIONS              |
|------------|-----|------|---------|---------------------------|
| HMN TR-938 | 3.0 | -    | 0.939   | Tanks & Marine Equipment  |
| HMN TR-935 | 6.0 | -    | 0.936   | Toys & Recreational Parts |

### MARLEX® POLYETHYLENE – SHEET EXTRUSION

| PRODUCT | MI | HLMI | DENSITY | APPLICATIONS |
|---------|----|------|---------|--------------|
| K306    | -  | 12.0 | 0.937   | Geomembrane  |
| K307    | -  | 21.0 | 0.937   | Geomembrane  |

## Low Density Polyethylene

Since we first began producing low density polyethylene (LDPE) products using the autoclave process in 1955, we have continually maintained a leadership position in process technology, quality and services. Our products are designed for leading-edge performance in a wide array of extrusion and molding applications. We offer technical service and support with a proven track record of results and customer satisfaction.

### MARLEX® POLYETHYLENE – BLOW MOLDING

| PRODUCT | MI  | DENSITY | APPLICATIONS                  |
|---------|-----|---------|-------------------------------|
| 4538A   | 2.0 | 0.925   | Liquid Food & Pharmaceuticals |
| 5104    | 1.3 | 0.924   | Liquid Food & Pharmaceuticals |

### MARLEX® POLYETHYLENE – INJECTION MOLDING

| PRODUCT | MI   | DENSITY | APPLICATIONS      |
|---------|------|---------|-------------------|
| KN226   | 25.0 | 0.925   | Caps & Housewares |
| 1412    | 35.0 | 0.924   | Thin Wall Parts   |
| 1122B   | 2.1  | 0.920   | Caps & Closures   |
| 1007    | 7.0  | 0.917   | Caps & Housewares |
| 1003    | 13.0 | 0.917   | Caps & Housewares |
| 1009    | 16.0 | 0.917   | Caps & Housewares |

## Linear Low Density Polyethylene

Chevron Phillips Chemical produces high performance linear low density polyethylene (LLDPE) ethylene-hexene resins using gas phase reactor technology. Our state-of-the-art technical service center and technical support team are dedicated to assisting customers with processing support and application development.

### MARLEX® POLYETHYLENE – SHEET EXTRUSION

| PRODUCT | MI   | DENSITY | APPLICATIONS |
|---------|------|---------|--------------|
| 7104    | 0.35 | 0.919   | Geomembrane  |

Notes:

MI – melt index = (190 °C/2.16 kg) g/10 min

HLMI – high load melt index = (190 °C/21.6 kg) g/10 min

Density = g/cm<sup>3</sup>

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For more information about these and other products, call 800.231.1212  
SDS and Technical Data Sheets available online at [www.cpchem.com](http://www.cpchem.com)