Formolene® HDPE
Blow Molding

Quality, Value and Performance
Discover Formolene® High Density Polyethylene for Blow Molding

When success is essential, Formosa is your quality choice.

Formosa Plastics’ Formolene® High Density Polyethylene (HDPE) resins are available with varying melt indexes, densities and additive packages for producing containers via the blow molding extrusion process.

Formolene® HL5010

The Formolene® HL5010 series of resins are high load melt index resins (HLMI), used to produce large containers and parts by both the blow molding or sheet/thermoforming production processes. These resins provide excellent high load melt strength during extrusion, as well as excellent rigidity and strength in the final products.

Formolene® HB6007

Formolene® HB6007 is a leading homopolymer HDPE resin used in the juice, water and dairy industry to produce strong, lightweight bottles with the low taste and odor properties that are critical to these industries. The right balance of top load and impact strength make it the best resin choice for producing one-gallon, half-gallon, quarter-gallon and single-serve containers.

Formolene® HB5502 and HB5202

The Formolene® HB5502 and HB5202 series of multipurpose resins is used to blow mold everything from household industrial chemical bottles, to toiletry and cosmetic bottles, to health and medical containers and various types of food containers. These resins’ excellent stiffness and environmental stress cracking resistance (ESCR) properties have made them some of our most popular products.

All Formolene® High Density Polyethylene blow molding resins meet appropriate Food and Drug Administration (FDA), Underwriters Laboratories (UL) and National Sanitary Foundation (NSF) requirements.
### Optimized Resins for Blow Molding

**Applied Polymer Innovation**

Yogurt Bottles  Toiletry Bottles  Household & Industrial Chemical Bottles  Milk Bottles  55-Gallon Drums

<table>
<thead>
<tr>
<th>Grades</th>
<th>ASTM Test Method</th>
<th>Units English/SI</th>
<th>Homopolymer</th>
<th>Copolymers</th>
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<tbody>
<tr>
<td></td>
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<td>HB6007</td>
<td>HB5502B</td>
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<tr>
<td>Melt Index</td>
<td>D1238</td>
<td>2.16 g/10 Min.</td>
<td>0.70</td>
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<td>High Load Melt Index (HLMII)</td>
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<td>21.6 kg/10 Min.</td>
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<td>Density, g/cc</td>
<td>D1505</td>
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<td>0.964</td>
<td>0.955</td>
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<tr>
<td>Tensile Yield Strength</td>
<td>D638 Type IV</td>
<td>psi. MPa</td>
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<tr>
<td>Ultimate Elongation</td>
<td>D638 Type IV</td>
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<td>&gt;300</td>
<td>&gt;600</td>
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<tr>
<td>Brittleness Temperature</td>
<td>D746</td>
<td>°F °C</td>
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<td>Flexural Modulus</td>
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<td>psi. MPa</td>
<td>240,000</td>
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<tr>
<td>Environmental Stress Crack Resistance (ESCR)</td>
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<td>Hours</td>
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<td>45</td>
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<tr>
<td>Condition A, F&lt;sub&gt;50&lt;/sub&gt;[100% IgepaI]</td>
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<td>10</td>
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<td>Applications / Container Types</td>
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<td></td>
<td>Juice, Water and Dairy Bottles</td>
<td>Household and Industrial Chemical Bottles</td>
</tr>
</tbody>
</table>

### Need More? Just Ask.

At Formosa, we’re committed to providing you with innovative products, consistent quality, unsurpassed service and reliable on-time/every-time delivery.

Our technical teams ensure you get the products you need and the consistent quality and run performance you need — every time.

Our service teams are determined to help you find ways to improve your business by optimizing performance, improving consistency and helping you to get the most out of our products.

Our private rail fleet is the largest in the industry. You can monitor the status of your orders and the exact locations of your railcar deliveries online — 24/7/365.

**If you need more, just ask. After all, we’re your partner.**
Our Commitment

Formosa Formolene® polypropylene quality and consistency, together with our technical service, provide excellent value and produce components that consistently perform as required.

- **Quality and Consistency** – We will deliver resins that meet or exceed customers’ requirements.
- **Performance** – Help customers produce consistent, valued components that perform to specifications for durability, appearance and safety.
- **Value** – Provide excellent per unit component value – from resin grade selection, purchase and delivery to optimized processability and final component production.
- **Technical Service** – Provide top-notch, responsive technical service that develops prompt, accurate solutions.

Your Partner for Polymer Solutions

With corporate headquarters in Livingston, New Jersey, Formosa Plastics Corporation, U.S.A. owns and operates three vertically integrated chemical manufacturing subsidiaries located in Delaware City, Delaware; Baton Rouge, Louisiana; and Point Comfort, Texas. Through affiliated facilities located in Ningbo (China), Maitiao (Taiwan) and Linyuan (Taiwan), we can meet international demands.

Our business operations include the production of polyethylene, polypropylene, suspension and dispersion polyvinyl chloride, chlor-alkali and olefins.

For more information about Formosa Plastics’ products or to discuss a custom application for a no obligation quote, visit [www.fpcusa.com](http://www.fpcusa.com) or speak with your company representative directly by calling 888.372.8723.

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