**Prospector X5**

**Bapolene® PP5052**
Bamberger Polymers, Inc. - Polypropylene Copolymer

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### General Information
Polypropylene injection impact copolymer with excellent color and processability. This resin also has a superior balance of stiffness and impact strength. This product meets FDA standards for food contact applications.

### General
- **Material Status**: Commercial: Active
- **Availability**:
  - Africa
  - Asia
  - Europe
  - Middle East
  - North America
  - Pacific Rim
  - Latin America
  - South America

### Test Standards Available
- ASTM

### Features
- Copolymer
- Food Contact Acceptable
- Impact Resistance, Good
- Processability, Good
- Stiffness, Good
- Strength, Good

### Uses
- Appliances
- Battery Cases
- Household Goods

### Agency Ratings
- FDA Food Contact, Unspecified Rating

### Forms
- Pellets

### Processing Method
- Injection Molding

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### ASTM and ISO Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>0.903</td>
<td>g/cm³</td>
<td>ASTM D1505</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)</td>
<td>8.00</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile Strength @ Yield ²</td>
<td>3900</td>
<td>psi</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation @ Yld ²</td>
<td>14</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation @ Brk ²</td>
<td>160</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1% Secant: 175000</td>
<td>psi</td>
<td>ASTM D790</td>
</tr>
<tr>
<td><strong>Impact</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod Impact</td>
<td>2.19</td>
<td>ft-lb/in</td>
<td>ASTM D256</td>
</tr>
<tr>
<td><strong>Hardness</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Durometer Hardness</td>
<td>82</td>
<td></td>
<td>ASTM D2240</td>
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<tr>
<td><strong>Thermal</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DTUL @66psi - Unannealed</td>
<td>183</td>
<td>°F</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>

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**Notes**

1. Typical properties: these are not to be construed as specifications.

2. 0.8 in/min

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http://x5.ides.com/datasheet.aspx?&E=57518

12/27/2004
### CERTENE(TM) HD-1252
Channel Polymers - Polyethylene, High Density

#### View

<table>
<thead>
<tr>
<th>Datasheet</th>
<th>Shown Below</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM Data Sheet</td>
<td><img src="https://icons8.com/icons/png/48/000000-faucet.png" alt="Select" /></td>
</tr>
<tr>
<td>ISO Data Sheet</td>
<td>--</td>
</tr>
<tr>
<td>CAMPUS® Data Sheet</td>
<td>--</td>
</tr>
</tbody>
</table>

#### Actions

- Product Sourcing: ![Select](https://icons8.com/icons/png/48/000000-play.png)
- E-mail a Datasheet: ![Select](https://icons8.com/icons/png/48/000000-email.png)
- Product Alternatives: ![Select](https://icons8.com/icons/png/48/000000-check.png)

#### General Information

- **Material Status**: Commercial: Discontinued
- **Availability**: North America
- **Test Standards Available**: ASTM
- **Forms**: Pellets

#### ASTM and ISO Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.952</td>
<td>g/cm³</td>
<td>ASTM D1505</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR)</td>
<td>12.0</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Films</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength @ Yld MD</td>
<td>3930</td>
<td>psi</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Flexural Modulus MD</td>
<td>167000</td>
<td>psi</td>
<td>ASTM D790</td>
</tr>
</tbody>
</table>

#### Notes

1 Typical properties: these are not to be construed as specifications.

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