# PRODUCT SELECTION GUIDE

## HDPE

### Grades Used in Injection Molding Applications (1/2)

<table>
<thead>
<tr>
<th>Properties</th>
<th>Physical</th>
<th>Mechanical</th>
<th>Thermal</th>
<th>Other</th>
<th>Specific Characteristics and Typical Customer Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Density Polyethylene, Hostalen</td>
<td>Hostalen GC 7260</td>
<td>0.960</td>
<td>8.0</td>
<td>23</td>
<td>1450 30 7 4.0 4.5 61 58 74 2.5 High stiffness, good impact resistance at low temperatures and optimum ESCR. Typical customer applications: crates, cartridges, caps &amp; closures, toys &amp; leisure products, housewares and profiles</td>
</tr>
<tr>
<td></td>
<td>Hostalen GC 7260 LS</td>
<td>0.960</td>
<td>8.0</td>
<td>23</td>
<td>1450 30 7 4.0 4.5 61 58 74 2.5 Light-stabilized (UV) grade with high stiffness, good impact resistance at low temperatures and optimum ESCR. Typical customer applications: crates, toys &amp; leisure products, housewares, panels &amp; profiles and lids for dust bins</td>
</tr>
<tr>
<td></td>
<td>Hostalen GC 7258</td>
<td>0.958</td>
<td>8.0</td>
<td>22</td>
<td>1400 28 7 4.0 4.5 62 56 73 2.5 High stiffness combined with optimum ESCR, good impact resistance at low temperatures. Typical customer applications: cartridges, caps &amp; closures, crates, toys &amp; leisure, housewares and panels &amp; profiles</td>
</tr>
<tr>
<td></td>
<td>Hostalen GD 7255</td>
<td>0.955</td>
<td>4.0</td>
<td>11</td>
<td>1200 27 8 4.0 4.5 60 52 73 4.5 High impact resistance at low temperatures, good stiffness and optimum ESCR. Typical customer applications: crates, caps &amp; closures, toys &amp; leisure products, housewares, panels &amp; profiles and pallets</td>
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# PRODUCT SELECTION GUIDE

## LDPE

### Grades Used in Injection Molding Applications (2/2)

<table>
<thead>
<tr>
<th>Properties</th>
<th>Physical</th>
<th>Mechanical</th>
<th>Thermal</th>
<th>Specific Characteristics and Typical Customer Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Density</td>
<td>MFR</td>
<td>Tensile Modulus</td>
<td>Tensile Stress at Yield</td>
</tr>
<tr>
<td></td>
<td>g/cm³</td>
<td>g/10 min</td>
<td>MPa</td>
<td>MPa</td>
</tr>
<tr>
<td>Test Method</td>
<td>Unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>23 °C</td>
<td>190 °C, 2.16 kg</td>
<td>190 °C, 5 kg</td>
<td></td>
</tr>
</tbody>
</table>

### Low Density Polyethylene, Lupolen

- **Lupolen 1800 H**
  - 0.919
  - 1.5
  - 200
  - 9
  - N/A
  - N/A
  - N/A
  - 45
  - 15
  - 88
  - Low density, good flexibility, high impact and optimum ESCR. Typical customer applications: shoe insoles, pipe clamps, lids, car boot/trunk lining, brushes and champagne corks

- **Lupolen 1800 P**
  - 0.918
  - 15
  - 200
  - 9
  - N/A
  - N/A
  - N/A
  - 45
  - 12
  - 80
  - Low density, good flexibility and high flowability. Applications include use as a base resin for masterbatches and compounding

- **Lupolen 1800 S**
  - 0.917
  - 20
  - 160
  - 8
  - N/A
  - N/A
  - N/A
  - 45
  - 13
  - 80
  - Low density, good flexibility and high flowability. Typical customer applications: ink cartridges, shoes and flippers for swimming, and brushes. Other applications include use as a base resin in masterbatches and compounding

- **Lupolen 1800 U**
  - 0.918
  - 65
  - 180
  - 8
  - N/A
  - N/A
  - N/A
  - 45
  - 12
  - 75
  - Very high flowability with good balance of toughness, softness, dimensional stability and easy processability. Typical customer applications: consumer packaging and thin-wall injection molding. Other applications include use in masterbatches and as a viscosity modifier for compounds

- **Lupolen 2420 K**
  - 0.924
  - 4
  - 260
  - 11
  - N/A
  - N/A
  - N/A
  - 48
  - 18
  - 92
  - Medium-flow LDPE with good impact resistance and optimum ESCR. Typical customer applications: collector trays for perforators, seals, bottle closures & packaging and safety traps in baby highchairs. Additional version (Lupolen 2426 K) with slip agent available

- **Lupolen 3020 K**
  - 0.928
  - 4
  - 300
  - 13
  - N/A
  - N/A
  - N/A
  - 51
  - 21
  - 97
  - Medium-flow LDPE with good stiffness and optimum ESCR. Typical customer applications: ink cartridges and hand grips. Additional version (Lupolen 3026 K) with slip agent available

N/A = Not Applicable

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