### PE LITEN – DESIGNATION SYSTEM

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>STABILIZATION</th>
<th>POLYMER TYPE</th>
<th>MELT FLOW RATE (MFR), g/10 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Basic</td>
<td>Homopolymer</td>
<td>≤ 0.1</td>
</tr>
<tr>
<td>F</td>
<td>UV</td>
<td>Homopolymer</td>
<td>&gt; 0.1 – 0.25</td>
</tr>
<tr>
<td>M</td>
<td>Without stabilization</td>
<td>Homopolymer</td>
<td>&gt; 0.25 – 0.5</td>
</tr>
<tr>
<td>P</td>
<td>Special</td>
<td>Homopolymer</td>
<td>&gt; 0.5 – 3.5</td>
</tr>
<tr>
<td>T</td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 3.5 – 5</td>
</tr>
<tr>
<td>V</td>
<td>Basic</td>
<td>Copolymer</td>
<td>&gt; 5 – 7</td>
</tr>
<tr>
<td>Z</td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 7 – 17</td>
</tr>
<tr>
<td></td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 17 – 25</td>
</tr>
<tr>
<td></td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 25</td>
</tr>
<tr>
<td></td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 25</td>
</tr>
<tr>
<td></td>
<td>Special</td>
<td>Copolymer</td>
<td>&gt; 5 – 7</td>
</tr>
</tbody>
</table>

**LITEN**

High Density Polyethylene by Unipetrol RPA

**Simply Improving Every Day Life**

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### PE LITEN® MFR (190/2,16)

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>g/10min</td>
<td>1.14</td>
</tr>
<tr>
<td>Yield Stress</td>
<td>MPa</td>
<td>6.0</td>
</tr>
<tr>
<td>Yield Strain</td>
<td>%</td>
<td>10</td>
</tr>
<tr>
<td>Crystallinity</td>
<td>%</td>
<td>20</td>
</tr>
<tr>
<td>MFR</td>
<td>kg/m3</td>
<td>18</td>
</tr>
<tr>
<td>MFR (190/2,16)</td>
<td>kg/m3</td>
<td>18</td>
</tr>
<tr>
<td>MFR (190/5)</td>
<td>kg/m3</td>
<td>18</td>
</tr>
<tr>
<td>MFR (190/21,6)</td>
<td>kg/m3</td>
<td>18</td>
</tr>
</tbody>
</table>

### Processing Technology

- **Injection Moulding (IM):**
  - PE LITEN® MFR (190/2,16)
  - PE LITEN® MFR (190/5)
  - PE LITEN® MFR (190/21,6)

### Main Applications

**Injection Moulding (IM):**

- Bottle caps for carbonated beverages, PEX pipes
- Technical parts, pallets, containers

**Blow Moulding & Sheet Extrusion:**

- Basic film, sheet, blow moulding, sheet, pipes
- Containers up to 200 l, industrial tanks, drums
- Containers up to 120 l, toys, pharmaceutical packages
- Containers up to 5 l, cable ducts
- Containers up to 5 l, non-active media, sheet, co-extrusion, toys

**Pipe Extrusion:**

- PE-80 pressure pipes for water supply, casing pipes
- PE-63 pressure pipes for water supply, casing pipes

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### Stabilization Processing Technology

- **Stabilization Processing:**
  - Technology Main application
  - Unit kg/10 min
  - ISO 1133-1
  - ISO 1183-2
  - ISO 527-1,2
  - ISO 178
  - ISO 179-1
  - ISO 306
  - ASTM D1693
  - ISO 22088-2
  - ISO 16770

### Film & Tapes & Fibre

- **FB 75:**
  - Basic film
  - Blown packaging film above 7 µm for food industry, shopping bags

- **FB 29:**
  - Basic film
  - Blown packaging film above 15 µm for food industry, technical parts

- **FB 85:**
  - Basic film
  - Blown packaging film above 10 µm for food industry, industrial items

- **TB 38 / TB 38 F:**
  - Basic tapes, sheet
  - Cast film, technical sheets for construction industry, cable ducts

### Blown Moulding, Sheet Extrusion

- **FB 10:**
  - Basic film, sheet
  - Blown packaging film above 15 µm for technical parts

- **FB 29:**
  - Basic film
  - Blown packaging film above 15 µm, blends with PE-LD/LLD (up to 40 %)

### Injection Moulding

- **PE LITEN® MFR (190/2,16):**
  - Basic film
  - Blow moulding film above 7 µm for food industry, shopping bags

### Blowing & Knitting Tapes for Packaging Bags (420-1200 dtex)

- **TB 38 / TB 38 F:**
  - Basic tapes, sheet
  - Cast film, technical sheets for construction industry, cable ducts

### Special Fibre

- **LS 87:**
  - Bi-component fibre by spun bond technology for hygiene

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