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Thermoplate
Acquaplate
Aluplate
Astraplate
Colorplate
Decorplate
Glossyplate
Inoxplate
Lamiplate
Metalplate
Starplate
Thermoplate PES

General characteristics
It offers excellent non-stick properties to steel, adding as well high durability and resistance to scratching.

General properties
- Excellent non-stick behaviour.
- Good resistance to temperature and abrasion.
- Inert to chemical agents.
- Good mechanical suitability for forming Food contact certificate according to 2004/1935/EC Directive.

Composition
- PES-based coating, single layer 6–8 µ
  or double layer 12–16 µ
- Metallic substrate
  - Chromated steel (TFS) according to EN 10202 standard
  - Aluminised steel according to EN 10346 standard
  - Aluminium according to EN 485 standard

Product behaviour

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>TEST</th>
<th>UNIT</th>
<th>RESULT</th>
<th>OBSERVATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total coating thickness</td>
<td>ECCA T1</td>
<td>µ</td>
<td>6–8</td>
<td>single layer system</td>
</tr>
<tr>
<td></td>
<td>µ</td>
<td></td>
<td>12–16</td>
<td>double layer system</td>
</tr>
<tr>
<td>Specular gloss (Gardner 60°)</td>
<td>ECCA T2</td>
<td>%</td>
<td>10–90</td>
<td>depending on colour and type</td>
</tr>
<tr>
<td>Pencil hardness</td>
<td>ECCA T6</td>
<td></td>
<td>&gt;3H</td>
<td></td>
</tr>
<tr>
<td>Mesh impact</td>
<td>ECCA T5</td>
<td></td>
<td>OK</td>
<td>without detachment</td>
</tr>
<tr>
<td>Mesh impact after 15 min. and 1 h in boiling water</td>
<td></td>
<td></td>
<td>OK</td>
<td>without detachment</td>
</tr>
<tr>
<td>T bending</td>
<td>ECCA T7</td>
<td></td>
<td>0–0.5T</td>
<td>without detachment or cracking</td>
</tr>
<tr>
<td>Resistance to NMP (N-methyl pyrrolidone)</td>
<td></td>
<td></td>
<td>90 seg.</td>
<td></td>
</tr>
<tr>
<td>Abrasion test (RAT)</td>
<td></td>
<td>cycles</td>
<td>&lt;4000</td>
<td></td>
</tr>
<tr>
<td>Resistance to temperature</td>
<td></td>
<td>°C</td>
<td>&lt;230° C continuous and &lt;260° C intermittent</td>
<td></td>
</tr>
</tbody>
</table>