Pearl® Micro 420
Powder for Additive Manufacturing

CHEMICAL COMPOSITION

<table>
<thead>
<tr>
<th>Elements</th>
<th>Fe</th>
<th>Cr</th>
<th>Si</th>
<th>Mn</th>
<th>Ni</th>
<th>P</th>
<th>S</th>
<th>C</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.35</td>
</tr>
<tr>
<td>Max</td>
<td>Bal</td>
<td>14</td>
<td>1</td>
<td>1</td>
<td>0.5</td>
<td>0.04</td>
<td>0.03</td>
<td>0.4</td>
<td>0.1</td>
</tr>
</tbody>
</table>

STANDARDS

- European standards
  - X40Cr13
  - 1.2083
- US Standards
  - AISI 420

CHARACTERISTICS

Pearl® Micro 420 is a martensitic stainless steel with high hardness, good fatigue resistance and polishability. It is suitable for additive manufacturing of plastic injection mold inserts as well as surgical instruments and general engineering components.

APPLICATIONS

- Plastic injection mold inserts
- Surgical instruments
- General engineering components

QUALITY CERTIFICATES

- ISO9001 accreditation
- Certified material test report according to EN 10 204/3.1

CONTACT

Contact: powder@eramet-aubertduval.com
www.aubertduval.com

The above is for information only and does not create any binding contractual obligations
Pearl® is a registered trademark of Erasteel and is used under license by Aubert & Duval