AMPERIT® 405

Chemical Formula
NiCoCrAlHfYSi

Description of Product
Gas Atomized

Grades Available

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>Chemical Composition</th>
<th>Particle Size Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMPERIT® 405.001</td>
<td>45/22 µm</td>
<td>+ 125 µm: max. 7 %¹&lt;br&gt;+ 90 µm: max. 7 %¹&lt;br&gt;- 45 µm: max. 15 %²&lt;br&gt;- 22 µm: max. 7 %¹</td>
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<tr>
<td>AMPERIT® 405.002</td>
<td>90/45 µm</td>
<td>+ 125 µm: max. 7 %¹&lt;br&gt;+ 90 µm: max. 7 %¹&lt;br&gt;- 45 µm: max. 13 %¹&lt;br&gt;- 22 µm: max. 7 %¹</td>
</tr>
<tr>
<td>AMPERIT® 405.006</td>
<td>125/45 µm</td>
<td>+ 125 µm: max. 7 %¹&lt;br&gt;+ 90 µm: max. 7 %¹&lt;br&gt;- 45 µm: max. 13 %¹&lt;br&gt;- 22 µm: max. 7 %¹</td>
</tr>
<tr>
<td>AMPERIT® 405.072</td>
<td>38/10 µm</td>
<td>+ 38 µm: max. 7 %¹&lt;br&gt;- 10 µm: max. 13 %²</td>
</tr>
</tbody>
</table>

Chemical Characteristics
(Mass fraction in % [cg/g]; ppm [µg/g])

Co 21.0 - 23.0 %<br>Cr 16.0 - 18.0 %<br>Al 11.8 - 13.2 %<br>Y 0.4 - 0.8 %<br>Hf 0.1 - 0.3 %<br>Si 0.2 - 0.6 %<br>All others, each³ max. 0.1 %<br>Ni balance

Physical Characteristics
(Grain Size Distribution and Tolerances above / below max. in %)

1) ROTAP Screening per ASTM B 214, 2) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 3) measured by XRF.
Packaging
Standard Packaging:
5 kg in 2.5 l PE bottle.

Storage and Handling
Storage and handling are subject to the rules and regulations in the country of use.

Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)
- Carcinogenicity Category 2
- Specific target organ toxicity - repeated exposure Category 1
- Respiratory sensitization Category 1
- Skin sensitization Category 1
- Reproductive toxicity Category 2
- Eye irritation Category 2
- Acute aquatic toxicity Category 1
- Chronic aquatic toxicity Category 1

Documentation
An inspection document in accordance with EN 10204 is supplied with every shipment.

Remarks
Always mix well before using.
Other grain sizes on request.

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