AMPERIT® 280

Chemical Formula
NiAl 95-5

Description of Product
Water Atomized

Particle Sizes Available
Product Designation
AMPERIT® 280.002 90/45 µm
AMPERIT® 280.001 45/22 µm
AMPERIT® 280.003 45/ 5.5 µm

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

Al 4 - 5.5 %
Impurities total max. 1.0 %
Ni balance

Physical Characteristics

<table>
<thead>
<tr>
<th>Particle Size Distribution</th>
<th>280.002</th>
<th>280.001</th>
<th>280.003</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 90 µm&lt;sup&gt;1)&lt;/sup&gt;</td>
<td>max.</td>
<td>5 %</td>
<td>max.</td>
</tr>
<tr>
<td>- 45 µm&lt;sup&gt;1)&lt;/sup&gt;</td>
<td>max.</td>
<td>10 %</td>
<td></td>
</tr>
<tr>
<td>+ 45 µm&lt;sup&gt;1)&lt;/sup&gt;</td>
<td></td>
<td>max.</td>
<td>max.</td>
</tr>
<tr>
<td>- 22 µm&lt;sup&gt;2)&lt;/sup&gt;</td>
<td></td>
<td>max.</td>
<td>5 %</td>
</tr>
<tr>
<td>- 10 µm&lt;sup&gt;2)&lt;/sup&gt;</td>
<td></td>
<td>0 %</td>
<td>max.</td>
</tr>
<tr>
<td>- 5.5 µm&lt;sup&gt;2)&lt;/sup&gt;</td>
<td></td>
<td></td>
<td>7 %</td>
</tr>
</tbody>
</table>

1) ROTAP Screening per ASTM B 214, 2) Microtrac by Laser Light Diffraction per ASTM B 822.
SEM pictures

Packaging
Standard Packaging:
5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.

Hazards identification in Advertising (REGULATION (EC) No 1272/2008)
Carcinogenicity Category 2
Specific target organ toxicity – repeated exposure Category 1
Skin sensitisation Category 1
Long-term (chronic) aquatic hazard Category 3

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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