AMPERIT® 469

Chemical Formula  CoCrTaAlCiSiY
Chemical Name    CoCrTaAlCiSiY
Description of Product    Gas Atomized

Grades Available

Product Designation

AMPERIT® 469.063  75/45 µm
AMPERIT® 469.088  53/20 µm
AMPERIT® 469.001  45/22 µm

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Cr</th>
<th>Ta</th>
<th>Al</th>
<th>C</th>
<th>Si</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass fraction [cg/g]</td>
<td>23.0 - 27.0%</td>
<td>6.9 - 9.5%</td>
<td>6.5 - 8.5%</td>
<td>0.6 - 0.9%</td>
<td>0.6 - 0.9%</td>
<td>0.6 - 0.9%</td>
</tr>
<tr>
<td>Mass fraction [µg/g]</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Physical Characteristics

Particle Size Distribution

<table>
<thead>
<tr>
<th>Grade</th>
<th>469.063</th>
<th>469.088</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 75 µm</td>
<td>5 %1)</td>
<td>5 %1)</td>
</tr>
<tr>
<td>- 45 µm</td>
<td>10 %1)</td>
<td>- 20 µm 7 %2)</td>
</tr>
<tr>
<td>- 22 µm</td>
<td>7 %2)</td>
<td>- 10 µm 0 %2)</td>
</tr>
<tr>
<td>- 10 µm</td>
<td>0 %2)</td>
<td></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.

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)
Respiratory sensitisation Category 1
Skin sensitisation Category 1
Eye irritation Category 2
Acute toxicity Category 4
Reproductive toxicity Category 2
Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 1
Carcinogenicity Category 1B

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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3) Secondary Electron Image (SEI).