Amperit® 547

Chemical Formula  WC-Ni 88-12
Chemical Name  Tungsten Carbide - Nickel 88-12
Description of Product  Agglomerated, Sintered
Particle Sizes Available  Product Designation
Amperit® 547.074  45/15 µm

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Mass Fraction</th>
<th>PPM</th>
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</thead>
<tbody>
<tr>
<td>Ni</td>
<td>11.0 - 13.0 %</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>5.4 - 5.8 %</td>
<td></td>
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<tr>
<td>Fe</td>
<td>max. 0.2 %</td>
<td></td>
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<tr>
<td>W</td>
<td>balance</td>
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Physical Characteristics

Particle Size Distribution
547.074

- 88 µm  100 %
D 90 %  52 - 62 µm
D 50 %  30 - 38 µm
D 10 %  18 - 23 µm
Apparent Density  4.7 - 5.6 g/cm³

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070
2) HALL FLOWMETER FUNNEL per ASTM B 212
SEM pictures 3)

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)
Carcinogenicity Category 2
Specific target organ toxicity - repeated exposure Category 1
Skin sensitization Category 1

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

Remarks
Always mix well before using.

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3) Secondary Electron Image (SEI)