Amperit® 105

Chemical Formula  Mo
Chemical Name  Molybdenum
Description of Product  Agglomerated Sintered
Grades Available  
Product Designation

Amperit® 105.002  90/45 µm
Amperit® 105.074  45/15 µm

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Fe</th>
<th>max. 0.1 %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Si</td>
<td>max. 0.1 %</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>max. 0.2 %</td>
</tr>
<tr>
<td></td>
<td>O</td>
<td>max. 0.2 %</td>
</tr>
<tr>
<td>Mo</td>
<td>balance</td>
<td></td>
</tr>
</tbody>
</table>

Physical Characteristics
Particle Size Distribution

<table>
<thead>
<tr>
<th>Size</th>
<th>105.002</th>
<th>105.074</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 150 µm</td>
<td></td>
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<tr>
<td>+ 90 µm</td>
<td>max. 5%¹)</td>
<td></td>
</tr>
<tr>
<td>- 45 µm</td>
<td>max. 15%¹)</td>
<td></td>
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<tr>
<td>- 88 µm</td>
<td>100 %²)</td>
<td></td>
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D 90 %  47 - 57 µm²)
D 50 %  30 - 36 µm²)
D 10 %  18 - 22 µm²)

Apparent Density
ASTM B 212  2.2 - 2.9 g/cm³  2.2 - 2.9 g/cm³

1) ROTAP Screening per ASTM B 214, 2) MICROTRAC by Laser Light Diffraction per ASTM C 1070.
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)
None.

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

Remarks
Always mix well before using.

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