**AMPERIT® 119**

**Chemical Formula**  
Mo / NiSF 75-25

**Chemical Name**  
Molybdenum-Nickel SF RC 60 75-25

**Description of Product**  
Blended

**Grades Available**  
Product Designation
AMPERIT® 119.075  90/15 µm

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Mo</th>
<th>NiSF RC 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fe</td>
<td>max. 0.1 %</td>
<td>Cr 13.0 - 17.0 %</td>
</tr>
<tr>
<td>Si</td>
<td>max. 0.1 %</td>
<td>Fe 2.4 - 4.6 %</td>
</tr>
<tr>
<td>C</td>
<td>max. 0.2 %</td>
<td>Si 3.9 - 4.9 %</td>
</tr>
<tr>
<td>O</td>
<td>max. 0.2 %</td>
<td>B 3.0 - 3.9 %</td>
</tr>
<tr>
<td>Mo</td>
<td>balance</td>
<td>C 0.6 - 1.2 %</td>
</tr>
</tbody>
</table>

**Physical Characteristics**

**Particle Size Distribution**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. Size</th>
<th>Apparent Density acc. ASTM B 212</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 53 µm</td>
<td>max. 10 %</td>
<td>2.2 - 2.9 g/cm³</td>
</tr>
<tr>
<td>- 20 µm</td>
<td>max. 3 %</td>
<td>3.8 - 4.6 g/cm³</td>
</tr>
<tr>
<td>+ 90 µm</td>
<td>max. 5 %</td>
<td></td>
</tr>
<tr>
<td>- 45 µm</td>
<td>max.15 %</td>
<td></td>
</tr>
</tbody>
</table>
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)
Carcinogenicity Category 2
Specific target organ toxicity – repeated exposure Category 1
Skin sensitisation 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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