AMPERIT® 712

Chemical Formula  \( \text{Cr}_2\text{O}_3 - \text{TiO}_2 \ 75-25 \)

Chemical Name  Chromium Oxide - Titanium Oxide 75-25

Description of Product  Fused and crushed.

Particle Sizes Available  

Product Designation

AMPERIT® 712.074  45/15 µm
AMPERIT® 712.053  25/10 µm

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

<table>
<thead>
<tr>
<th></th>
<th>TiO₂</th>
<th>Al₂O₃</th>
<th>SiO₂</th>
<th>CaO</th>
<th>Fe₂O₃</th>
<th>MgO</th>
<th>Cr₂O₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass</td>
<td>23 - 27 %</td>
<td>max. 1 %</td>
<td>max. 1 %</td>
<td>max. 0.1 %</td>
<td>max. 0.1 %</td>
<td>max. 0.1 %</td>
<td>balance</td>
</tr>
</tbody>
</table>

Physical Characteristics

Particle Size Distribution¹)

<table>
<thead>
<tr>
<th></th>
<th>712.074</th>
<th>712.053</th>
</tr>
</thead>
<tbody>
<tr>
<td>88 µm</td>
<td>100 %</td>
<td>62 µm</td>
</tr>
<tr>
<td>62 µm</td>
<td>min. 95 %</td>
<td>31 µm</td>
</tr>
<tr>
<td>15 µm</td>
<td>max. 10 %</td>
<td>11 µm</td>
</tr>
<tr>
<td>D 10 %</td>
<td>min. 15 µm</td>
<td>min. 11 µm</td>
</tr>
<tr>
<td>D 50 %</td>
<td>26 - 32 µm</td>
<td>18 - 21 µm</td>
</tr>
<tr>
<td>D 90 %</td>
<td>max. 56 µm</td>
<td>max. 34 µm</td>
</tr>
</tbody>
</table>

¹) MICROTRAC by Laser Light Diffraction per ASTM C 1070.
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 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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2) Secondary Electron Image (SEI)