**PRODUCT DATA SHEET**

**PHOS COPPER ANODES**

QUALITY SYSTEM CERTIFIED TO ISO 9001:2008

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**PRODUCT SPECIFICATION**

IMC 352 - PHOS COPPER

C12220

<table>
<thead>
<tr>
<th>Element</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>99.95 MIN%</td>
</tr>
<tr>
<td>Iron</td>
<td>0.003 MAX%</td>
</tr>
<tr>
<td>Sulfur</td>
<td>0.003 MAX%</td>
</tr>
<tr>
<td>Lead</td>
<td>0.002 MAX%</td>
</tr>
<tr>
<td>Antimony</td>
<td>0.002 MAX%</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.002 MAX%</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.001 MAX%</td>
</tr>
<tr>
<td>Tin</td>
<td>0.002 MAX%</td>
</tr>
<tr>
<td>Total Other</td>
<td>0.010 MAX%</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>0.040 – 0.065 %</td>
</tr>
</tbody>
</table>

(1) Copper includes Silver and Phosphorus

(2) Other metallic elements include: Bi, Cd, Mn, Hg, Se, Te, Zn

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**SIZES**

**PHOS COPPER BALLS**

- 19mm / .75"
- 25mm / 1.00"
- 31mm / 1.25"
- 40mm / 1.60"
- 45mm / 1.80"
- 48mm / 1.90"
- 50mm / 2.00"
- 55mm / 2.20"

**PACKAGING**

- 44 lb Boxes / 20 Kg
- 220 lb Pallets / 1000 Kg
- 220 lb Drums / 100 Kg
- 1980 lb Pallets / 900 Kg
- 50 lb Pails / 22.7 Kg
- 1600 lb Pallets / 726 Kg
- Bulk Packaging Available

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**FEATURES**

- Hot rolling produces a fine-grained structure.
- Uniform Phos distribution reduces sludging.
- Consistent surface area and consistent dissolution.
- Quick-settling characteristics avoid bridging, voids and basket damage.
- Perfect for automated chute loading.
- For use in any anode basket or tray.
- Special process eliminates precleaning.
- Color-coded, user-friendly packaging.
- Certificate of Analysis issued for every lot.

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**TYPICAL APPLICATIONS**

- Printed Circuits
- Plated on Plastic Trim
- Decorative Plating
- Electronic Components
- Corrosion Protection in Automotive Parts
- Electrical Connectors
- Power Distribution Equipment
- Ammunition
- Coinage
- Rotogravure Cylinders

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