



PRODUCT DATA SHEET

PHOS-COPPER ANODE CHUNKS



PHOS-COPPER CHUNKS

- Mini-Nuggets - 1/2", 3/4", 7/8", & 1"
- Nuggets - 1 1/4", 1 1/2" & 1 3/4"

OTHER PHOS-COPPER PRODUCTS

- Balls - 1/2", 1", 1 1/2" & 2" diameters
- Bars - 1" x 4" x length
- Ovals - 1.5" x 3" x length

CERTIFICATION

- Only 100% virgin metals in our process
- Chemical analysis provided w/shipment
- Lab service available for pot samples

SPEC NO: NT Phos-Copper Anodes
 Rev: 3 Date: 2015
 Approved By:
 Ben Etherington; VP, Operations

CHEMICAL COMPOSITION

MATERIAL: Phos-Copper Anode Chunks
TRADE NAME: Hi-Phos Copper
ASTM SPEC. #: ASTM 379-04
CROSS REF: N/A

		Min.	Max.
Cu	Copper -----	99.935	
Sb	Antimony ----		<0.002
Bi	Bismuth-----		<0.001
Sn	Tin-----		<0.001
Pb	Lead -----		<0.002
Fe	Iron -----		<0.003
As	Arsenic -----		<0.001
Zn	Zinc -----		<0.001
P	Phosphorus ----	0.04	<0.065
Ni	Nickel -----		<0.002
S	Sulfur -----		<0.003

** The above lab report is a typical analysis of the material

PHYSICAL PROPERTIES

Melting Point (F°)- 610

Melting Point (C°) - 321

Density (lbs/in³) - 0.3125

Specific Gravity (g/m³) - 8.65

Brinell Hardness - 230 MPa

Mohs Hardness - 2.0 MPa

Vickers Hardness- N/A

Please direct your sales and technical inquires to (215) 821-8461

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Quality Since 1789

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