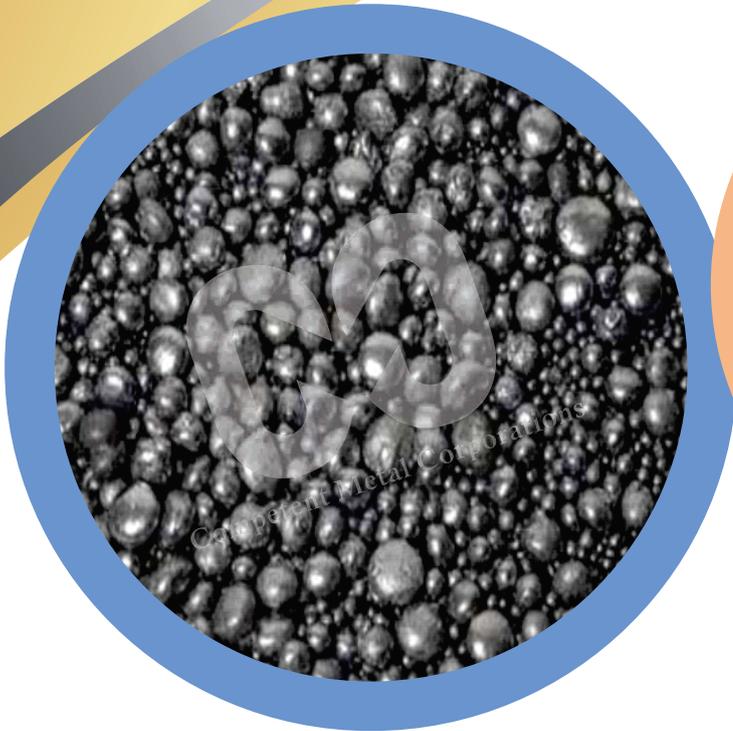




Competent Metal Corporations





Competent Metal Corporations

Web.: www.cmcorporations.com

About Us

Incepted as a Sole Proprietorship firm in the year 2011 at Meerut (Uttar Pradesh, India), we “Competent Metal Corporations” are engaged in manufacturing of highly durable range of Brazing Wire, Brazing Foil, Brazing Rings, Metal Alloys Products, Brazing Flux Powder, etc. Due to features like durability, corrosion resistance and optimum strength, these products are highly acclaimed in the market



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PHOSPHORUS-COPPER ALLOYS

Phosphorus-Copper is an alloy of elemental copper and elemental phosphorus free of residuals, such as iron, silicon, arsenic, selenium, nickel, tin, zinc, or lead. It improves the predictability of your process and eliminates the potential for hydrogen embrittlement.

CMC offers three grades of Phosphorus-Copper for the copper industry and one grade for the aluminum industry.



15% Phosphorus-Copper for the Copper Industry

Grade PS-4412: Brazing rod quality that contains a maximum of 0.020% iron.

Grade PS-4415: Mill quality that contains a maximum of 0.035% iron.

Grade PS-4420: Commercial grade that contains a maximum of 0.15% iron.

8% Phosphorus-Copper for the Aluminum Industry

Grade PS-4410: Commercial grade that contains a maximum of 0.15% iron.

Applications:

Phosphorus-Copper is used as a deoxidant, alloying agent, and wetting agent for the copper industry, and as a nucleant for the aluminum industry. Click on the application listed for details, recommended addition procedures, and precautions.

Note: Phosphorus-Copper is also known in the metallurgical industry as phospho copper, copper phos, phospho copper and copper phosphorus.



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15% Phosphor Copper Shot

Application :

15% Phosphor Copper is used in deoxidizing alloys, increasing fluidity, and inhibiting porosity.

CMC supply 15% Phosphor Copper Shot : 3-10 mm.

conforming standard JISH2501, 1A, 15 Pcu A

Specification :

CMC product conforms to following chemical composition.

15% Phosphor Copper Shot

Size 3 - 10 mm.

Composition : Element %

P % 14.950

Cu % Balance

Fe % 0.005

Pb % 0.006

Sn % 0.002

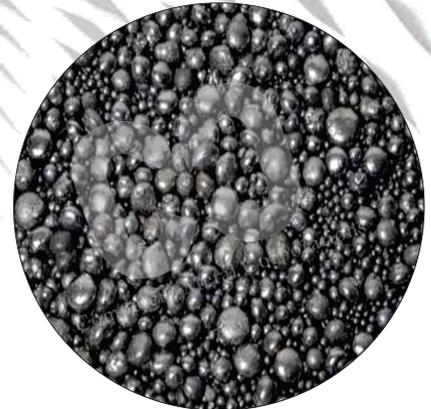
Sn % 0.001

Ni % 0.100

In accordance with JIS H2501, 1A, 15PCu A

Packing : In 500 Kgs. per plastic lined and sealed drums

*** Remark : Chemical Composition, Size and Packing can be adjusted by Customer requirement.



COPPER PHOSPHORUS ALLOY POWDER :

CMC manufactures Copper Phosphorus Alloys Powder in a number of different ratios including Cu94P6, Cu93P7, Cu92P8 (8% Phosphorus for the Aluminum industry, typically containing 0.15% iron), Cu86P14, and Cu85P15 (15% Phosphorus-Copper for the Copper industry, available in multiple grades). Phosphorus-Copper alloys are available in powders, pastes, and other preformed shapes. We can also produce materials to custom specifications by request, in addition to custom compositions for commercial and research applications and new proprietary technologies. Typical and custom packaging is available, as is additional research, technical and safety (MSDS) data. Please contact us above for information on specifications, lead time and pricing.



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SILVER BRAZING WIRES AND FOILS :

Custom manufacturer of brazing rods made from nickel bronze, nickel silver & bronze alloys. Rods are available in 1/16 in., 3/32 in., 1/8 in., 3/16 in., 1/4 in. & 3/8 in. dia.

Applications include joining steels, carbide, copper, nickel, stainless steels & tungsten carbide. Brazing rods are packaged in 1KG, 5KG and 25 KG Packings.

SILVER BRAZING PREFORMS :

CMC offers solder preforms in shapes such as washers, squares, discs, rectangles, and frames. Solder preforms can also be customized to specifically meet a customers' desires. Sizes can range from 0.50" up to 2", although they can come in larger or smaller sizes. Along with the shape and size, the thickness is also very critical. Typical thicknesses range from 0.15MM up to 2MM", but other thicknesses are available, as well. The most commonly applied tolerance is +/- .002". To reach out to our engineering staff.



CMC preforms are commonly used in PCB assembly, thermal fuse, die attach, bonding, connector, cable, sealing and thermal interfaces applications. As a result, we serve the electronics, interconnect, cable assembly, semiconductor, aerospace, defense, medical, automotive, renewable energy and seismic acquisition industries.

We are able to deliver complex parts with ultra-fast lead times by incorporating lean production philosophies while using the latest manufacturing technologies.

Whether we are manufacturing preforms for prototype assemblies, high volume production, or customized, complex applications, we deliver in a matter of days, not the industry standard of months.



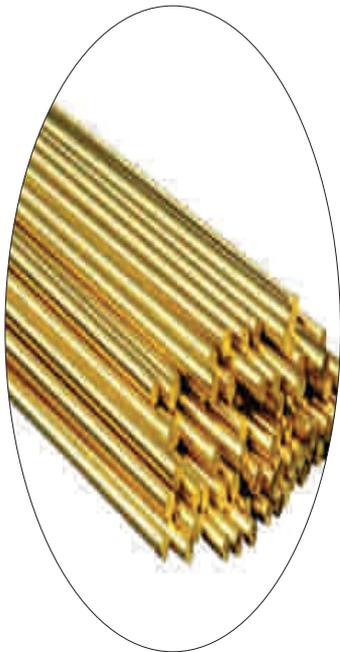
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COPPER BRAZING WIRES :

CMC is the one of the leading Copper Brazing Rod Manufacturer and Supplier in India. We Manufacture and supply a comprehensive range of products, including Copper Brazing Rod Red, Copper Brazing Rod Black and Brown Copper Brazing Rod as the leading stockist of Copper Brazing Rod. CMC should be contacted to check availability and pricing.

CMC is a privately held company that manufactures Copper Brazing Rod to national and international standards. In India, you can get Copper Brazing Rod for a low price. Our Copper Brazing Rod comes in a number of diameters and can be cut and polished to meet your needs. CMC is a known company for manufacturing and supplying excellent quality products like Copper Brazing Rods for a wide range of industrial applications include refrigeration, Air conditioning, Automobiles , Electronics, Chemical Industries, Oil & Gas Industry, etc.



BRASS BRAZING :

Catering to renowned Automobile, Pipe, Cutting Tool, MS Fabrication, Radiators Industries. Leading Manufacturer of Brass Brazing Alloys customisable in Rods, Foils, Rings and Discs. Quality Assurance. Trustworthy Manufacturer. 47Yrs Industry Experience. After Sales Service. Types: Bare Rods, Foils/ Strips, Coils, Flux Coated Rods, Flat Sticks, Brazing Rings, Buttons, Preforms, Wires.





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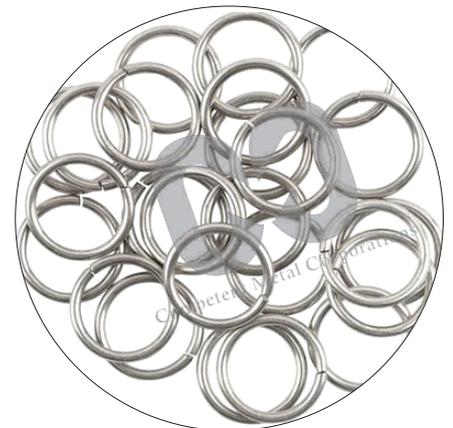
BRAZING FLUXES :

A chemical flux is commonly used with many braze filler metals. Proper fluxing is important because the flux absorbs oxides formed during heating and promotes the flow of filler metal. Fluxes are chemical mixtures that contain varying chemical components. The mixture is blended to ensure smooth application and adherence.

CMC Manufactures A Wide Range Of Fluxes For Soldering, Brazing And Welding. CMC is all about flux. Our business is solving problems. In business since 2010, We help you develop flux.



SILVER BRAZING RINGS : Rings are available in various composition and size, can be used to join most of the common metals used in industry such as copper, copper alloys (brass, bronze, nickel silver etc.), nickel alloys, carbon steel, stainless steel and tungsten carbide. These rings the most widely used brazing alloy combining low brazing temperatures with a short melting range making it free flowing and easy to use. These are popular general-purpose products with medium melt and flow characteristics.





Competent Metal Corporations

Thankyou

COMPETENT METAL CORPORATIONS

Head Office: CS 7, Commercial Market, Gyan Khand II, Indirapuram, Ghaziabad, Uttar Pradesh 201014

Factory: Plot No.- 212, Sec 3, Shatabdi Nagar, Industrial Area, Delhi Road, Meerut (NCR)

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