



www.kupferberatung-technology-labor.de

Inquiry:

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Seminar copper and copper alloys to current standards In-house Seminar in your company / institutes

With our many years of consulting experience, we competently consult our customers about properties, processing and applications of copper and copper alloys according to the current standards DIN, EN, ISO, UNS, JIS, China ...

Additionally we have experiences with a large number of inquiries, claims, material investigations, sample inspections, damage analyses, which have led to the optimization of orders, better processing and applications.

We consult and support a variety of suppliers, metal traders, automotive suppliers, copper processing companies, technical service providers by material selection, processing, use, quality assurance and traceability to ISO 9001: 2015, IATF 16949 and other quality management systems.

Having experienced lots of material examinations and sample inspections over the last years, we offer quick, inexpensive, professional service in accordance with ISO 17025 for you.

Furthermore, we support you in all research and development activities.

With best regards

Kupferberatung Technology Labor CTL

Dr. -Ing. Parsi

Material Technology,

International Welding Engineer SFI/IWE,

DGQ-Quality management and Environmental representative/Auditor

Recommended for :

Buyers, Sales Representatives, Masters, Technicians, Engineers, Materials Inspectors, Quality Engineers, Designers, Standards Engineers, and all companies that buys, processes, applies, and sells copper materials.

Seminar costs and services:

The content of our inhouse-seminar program (next page) is individually changeable to your inquiry. You save time, travel and accommodation costs. Additionally we consult you in all material and testing topics, manufacturing processes and quality assurance. As required, we create / update work instructions, test instructions, delivery specifications according to current national and international standards and create / update data sheets and brochures for your products in German and English.



Remarks:

The number of visitors to the seminar will be determined by you.

Contact:

We are looking forward to your request:

info@kupferberatung-technology-labor.de

9:30 – 9:45

Introduktion

9:45 – 10:45

Overview of copper materials to EN

*Wire, rods, sheet, strip, foil, forgings, castings,
Standards, DIN, EN, US, JIS, China, Material number/designations to EN*

10:45 – 11:15

Pure copper materials

*Oxygenated, deoxidized and oxygen-free copper
Applications, standards, quality assurance, Prevention of defects/claims*

11:30 – 12:30

Copper alloys (brass, bronze ...)

*Influence of alloying elements, strength, corrosion resistance, color, price
Applications, standards, quality assurance, Prevention of defects/claims*

12:30 – 13:15

Lunch break

13:15 – 14:00

Processing of copper materials

Cutting (turning, milling, drilling), welding and Brazinng/soldering, coating

14:00 – 14:30

Comparison of standards

DIN EN ISO / US / JIS

14:45 – 15:15

Storage / transport / handling of copper materials

Avoid of corrosion and further damage, quality assurance, traceability

15:30 – 16:00

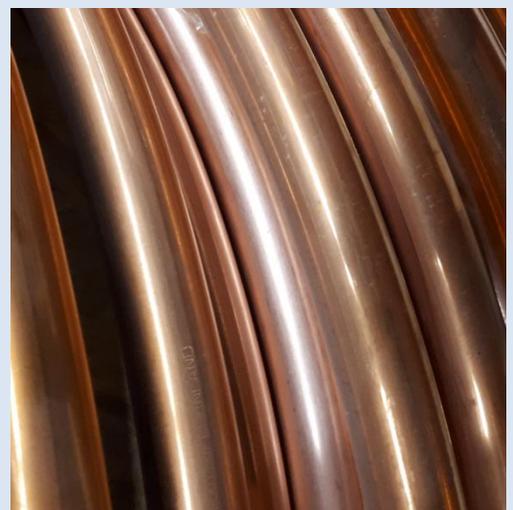
Copper materials and aluminum materials for electrical applications

Properties, standards

16:00 – 16:45

Introduction of material number/designations of steel, aluminum, zinc, and magnesium

Standards, DIN, EN, ISO



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