Bertrandias, a brand since 140 years

LOW MELTING POINT TEMPERATURE ALLOYS AND ACCESSORIES FOR MEDICAL PURPOSES

metaconcept Groupe
The METACONCEPT Group offers a range of specific alloys whose melting temperatures are guaranteed by the precise composition of the alloys. This provides the behavioural change required (solidus/liquidus) in medical fields.

100% guaranteed
Low melting point temperature alloys:

- **BISMUTH BASED NON FERROUS ALLOYS**, Low melting point, with dilatation or contraction when cooling
- **EXCLUSIVELY MANUFACTURED** with virgin metals, high purity and systematically controlled
- **LOW OXIDIZABLE AND REUSABLE ALLOYS**
- **ALL OTHER LOW MELTING POINT TEMPERATURE ALLOYS ON REQUEST**
  Wood alloy, Arcet alloy... for all temperatures between 47°C and 200°C
- **REGISTERED TRADEMARK IN 1 KILO INGOTS**;
  Other shapes on request: sticks, ingots and small ingots, shots...

VARIOUS TYPES OF SETTINGS
Our range for special medical uses

→ SHIELD PROTECTION FOR RADIOTHERAPY
  • CERROBEND®
    | Réf.   | Désignation      | Form                  | Solidus/Liquids | Density g/cm³ | Brinell hardness | Expansion in %* | Packaging |
    |        | CERROBEND® alloy | Small marked ingot    | 70°C - 73°C     | 9.4          | 9.2             | +0.25, +0.57*   | Bulk/Box  |
    | FB073300 |                | Around 1 kg           |                |              |                |                |           |

  • CERROSHIELD®
    | Réf.   | Désignation      | Form                  | Solidus/Liquids | Density g/cm³ | Brinell hardness | Expansion in %* | Packaging |
    |        | CERROSHIELD® alloy | Small marked ingot    | Eutectic 96°C  | 9.87         | 14              | +0.25*          | Bulk/Box  |
    | FB076300 |                | Around 1 kg           |                |              |                |                |           |

→ MEDICAL EXTRUDED POLYSTYRENE FORMS

→ LEAD SHEETS FOR RADIOTHERAPY ROOMS
    Sizes on demand

→ LENSES ANCHORAGE CERROLOW®
    | Réf.   | Désignation      | Form                  | Solidus/Liquids | Density g/cm³ | Brinell hardness | Expansion in %* | Packaging |
    |        | CERROLOW® 47°C alloy | Small marked ingot    | Eutectic 47°C  | 8.9          | 12              | +0.05, -0.02*   | Bulk/Box  |
    | FB047300 |                | Around 1 kg           |                |              |                |                |           |

    | Réf.   | Désignation      | Form                  | Solidus/Liquids | Density g/cm³ | Brinell hardness | Expansion in %* | Packaging |
    |        | CERROLOW® 57°C alloy | Small marked ingot    | Eutectic 57°C  | 8.57         | 14              | +0.3, -0.02*    | Bulk/Box  |
    | FB070300 |                | Around 1 kg           |                |              |                |                |           |

*after 2m.500h.

→ COMPLEMENTARY ACCESSORIES
  • Ladle
  • Centrifugal skimmer
  • Thermometer

MOULDS, IMPRINTS

OPTICAL LENSES ANCHORAGE

PROTECTIVE RADIOThERAPY SHIELDS

Sizes on demand

Sizes and colours on demand
Our strenghts

The pledge to benefit from:

- Business continuity of the service
- Flexibility of a family-owned company
- Manufacturing on request
- An unequalled trade knowledge based on an exhaustive bibliography
- High quality products
- Very fast delivery time
- Large available stock
- Professional and dedicated staff

The choice of trust and take advantage of:

- Our registered training center
- An all inclusive service inside our group and within our companies
- Advices and experiences adapted to any uses: bending, die, mould, indentation, anchORAGE, setting, radiotherapy protection,…

Feel free to contact us if you have any questions!
We’re always happy to help you find the right materials for your specific project.

METACONCEPT Group

- Pure metals and alloys – Filler metals for soldering
  Preforms and laminates – Fluxes – Consumables and equipments for centrifugal casting
- White metals recycling and recovering
- Test center and training organism (tribofinition, centrifugal casting, bearings) in Chaponost or on customer site.

For any further information, scan this QR code with your smartphone.