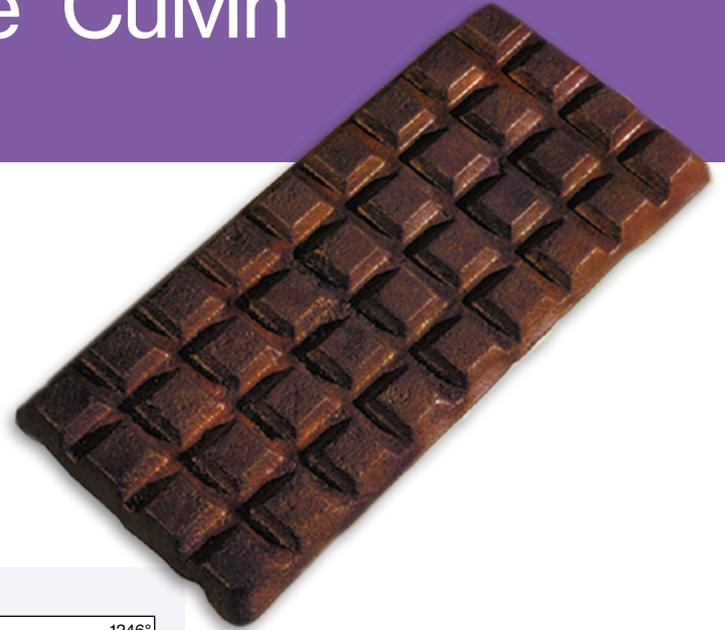


# Copper-Manganese CuMn

Copper based master alloys



## Application

The Copper-Manganese master alloy is mainly used in the production of high tensile brasses and complex aluminium bronzes. Further, Copper-Manganese can also be used for deoxidation and desulphurisation of CuNi alloys.

## Product description

CuMn is available in waffle plates of approximately 12 – 18 kg unit weight. The ingots are stacked on wooden pallets. Each pallet carries a label showing the batch number and nominal alloy composition.

## Physical properties

The CuMn30 master alloy has a melting point of 890 °C, its density is approximately 7.5 g/cm<sup>3</sup>.

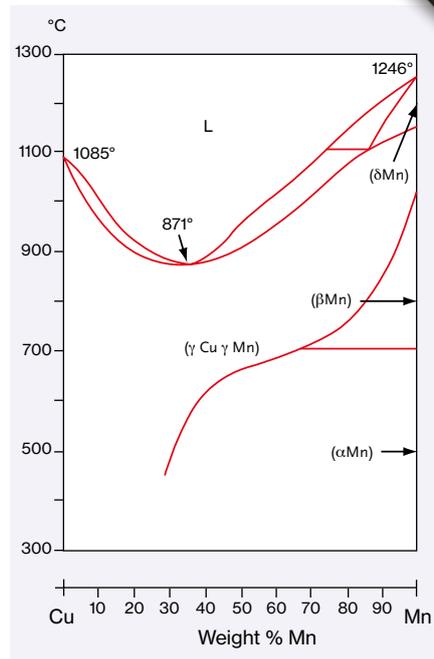
## Recommended addition practice

- Remove all dross from the bath surface.
- Add the master alloy to the bath at normal operating temperatures.
- Stir the bath well to ensure complete and homogeneous dissolution.

## Storage

The alloy must be stored in a dry area to avoid excessive oxidation.

Material Safety Data Sheet available.



## COMPOSITION (WEIGHT%)

Master alloy	Mn	Pb max.	Sn max.	Fe max.	Ni max.	Zn max.	Si max.	Total impurities max.
CuMn30 high purity grade	29.0 – 31.0	0.05	0.05	0.20	0.20	0.20	0.05	0.50
CuMn30 ECO-grade	28.0 – 32.0	0.10	0.10	0.40	0.25	0.25	0.10	0.70
CuMn50 high purity grade	48.0 – 52.0	0.05	0.05	0.25	0.20	0.20	0.10	0.50
CuMn50 ECO-grade	48.0 – 52.0	0.10	0.10	0.40	0.25	0.25	0.20	0.70

Other composition and packaging available upon request.

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