Data sheet

# QuCu86

*Ampco-Trode® 940 Original*

Beryllium-free alloy with excellent thermal conductivity and very good corrosion resistance. Suitable for repairing moulds and moulded parts, blow moulds and injection moulds made from Ampcoloy 940 or Hovadur CNCS, as well as other Cu alloys with a low Ni content.

## *Recommendation for*

Ampcloy 940, Hovadur CNCS, Cu-alloys with a low Ni-content

## *Rework*

Material-typical treatment

## *Material analysis in %*

| Cu | Ni | Si | Cr | other |
|---|---|---|---|---|
| Rest | 2,0–3,0 | 0,20 – 0,40 | 0,10 – 0,60 | 0,5 max |

*(test certificates upon request.)*

## *Standard/Mechanical Values*

| Inert gas | Argon | Values of the pure weld metal |
|---|---|---|
| Temperature | 20°C | |
| | | |
| Yield strength Re | MPa | 517 |
| Tensile strength Rm | MPa | 669 |
| Elongation A (Lo = 5do) | % | 13 |
| Hardness untreated | HB | 210 |

## *Following standard:*

**Laser welding wires**
rods: 333 mm / 1.000 mm
spool: K80 / K125 / K250 / SH253 / MA125

The reported values were determined by the manufacturer and / or by a neutral Laboratory.
We cannot guarantee for the accuracy.