

Technical Datasheet HPW-283Cp

Cadmium free

Norm

| | |
|-----------------------|-------------------|
| DIN EN ISO 17672:2017 | CuP 283 |
| DIN EN 1044:1999 | - |
| EN ISO 3677:2016 | B-Cu87PAg-643/720 |
| DIN 8513:1979 | - |

Composition [mass friction %]

| Ag | Cu | P |
|----|-------|------|
| 6 | 88,75 | 7,25 |

Valid impurity [max. mass friction %]

| Al | Bi | Cd | Pb | Zn | Ges. |
|-------|------|------|-------|------|------|
| 0,001 | 0,03 | 0,01 | 0,025 | 0,05 | 0,25 |

Technical Specifications

| | |
|---------------------|-----------------------|
| Melting range | 645-720 °C |
| Solidus | 645 °C |
| Liquidus | 720 °C |
| Working temperature | k.A. |
| Density | 8.5 g/cm ³ |
| Tensile strength | 250 N/mm ² |
| Heat resistant | approx. 200 °C |

Applications

Copper on copper without flux, gunmetal, brass and copper-tin alloys with flux.
Cannot be used with sulphur-containing media or with iron and nickel alloys.

Delivery forms

| | |
|-------------|---|
| Wires | Ø from 0.3 mm to 5.0 mm, available as bunch or on spools |
| Rods bare | Ø from 1.0 mm to 4.0 mm, in length von 50 mm to 1,000 mm (standard 500 mm) |
| Rods coated | standard diameter 1.5 mm, 2.0 mm and 3.0 mm; standard 500 mm (available with different thickness of flux) |
| Bands | from 0.05 mm thickness, maximum width 70 mm |
| Preforms | made of wires as rings, sections or band components in any shape made of band as discs, shims, blanks, or bent components in any shape |
| Flux | according to EN 1045 and EN 29454 on request |

Other dimensions and forms available on request.