

# Technical Datasheet HPW-104AI

Cadmium free

## Norm

DIN EN ISO 17672:2017    Al 112  
DIN EN 1044:1999        AL 104  
EN ISO 3677:2016        B-Al95Si-575/585

## Composition [mass friction %]

Al	Si
88	12

## Valid impurity [max. mass friction %]

Cd	Pb	total
0.01	0.025	0.15

## Technical Specifications

Melting range                    575-585 °C  
Solidus                            575 °C  
Liquidus                          585°C  
Working temperature            590°C  
Density                            2.65 g/cm<sup>3</sup>  
Tensile strength                  not specified

## Sources of heat

Flame brazing process, Oven soldering

## Application

Aluminum

## 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.