

Technical Datasheet HPW-101AI

Cadmium free

Norm

DIN EN ISO 17672:2017 Al 105
DIN EN 1044:1999 AL 101
EN ISO 3677:2016 B-Al95Si-575/630

Composition [mass friction %]

Al	Si
94.75	5.25

Valid impurity [max. mass friction %]

Cd	Pb	Ges.
0.01	0.025	0.15

Technical Specifications

Melting range 575-630 °C
Solidus 575 °C
Liquidus 630 °C
Working temperature not specified
Density 2.68 g/cm³
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.