

# TECHNICAL SHEET

Pure Tungsten Electrodes (Green)

**BEIDUO® Alloys**

Providing Complete Brazing, Soldering & Welding

No.:000000

## Classification

Code: WP

AWS classification: EWP

Color sign: Blue

## Chemical Composition: %

Tungsten: Balance

Impurities: <0.5%

## Description and Applications

Pure tungsten electrodes (WP) contain a minimum of 99.5 percent tungsten, with no intentional alloying elements. Pure tungsten has a very high work function, and thus it is more difficult to start and produce a stable arc than other materials. Also, because of the high work function, the temperature at the tip is higher and grain growth occurs. This leads to an unstable arc, starting difficulty, and a shorter service life. Pure tungsten is only used for AC welding; however, better alternatives are available.

## Availability

Diameter: 1.0-12mm

Length: 50mm, 75mm, 150mm, 175mm and any length requested from customer.

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Jan.10,2019