

# TECHNICAL SHEET

Thoriated tungsten Electrodes (Purple)

**BEIDUO® Alloys**

Providing Complete Brazing, Soldering & Welding

No.:000000

## Classification

WT10

AWS classification: EWTh-1

Color sign: Yellow

## Chemical Composition: %

Tungsten: Balance

Thorium Oxide: 0.9-1.1%

## Description and Applications

The Type WT 10 'yellow' consists of 99% tungsten and 1% thorium. WT-10 is a non-standard electrode for DC welding applications and is not suitable for AC welding.

The thorium content causes (like all oxides) a reduction in the electron work function and thus a higher electron emission. With increasing thorium, ignition - durability - current capacity is improved. The main application is the direct current welding of high and stainless steels.

## Availability

Diameter: 1.0-12mm

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

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