

# TECHNICAL SHEET

Lanthanated Tungsten Electrodes (Gold)

**BEIDUO® Alloys**

Providing Complete Brazing, Soldering & Welding

No.:000000

## Classification

WL15

AWS classification: EWLa-1.5

Color sign: Gold

## Chemical Composition: %

Tungsten: Balance

Lanthanum Oxide: 1.3 - 1.7%

## Description and Applications

These electrodes have excellent arc starting, a low burnoff rate, good arc stability, and excellent reignition characteristics—many of the same advantages as ceriated electrodes. Lanthanated electrodes also share the conductivity characteristics of 2 percent thoriated tungsten. In some cases, 1.5 percent lanthanated can replace 2 percent thoriated without having to make significant welding program changes.

Lanthanated tungsten electrodes are ideal if you want to optimize your welding capabilities. They work well on AC or DC electrode negative with a pointed end, or they can be balled for use with AC sine wave power sources. Lanthanated tungsten maintains a sharpened point well, which is an advantage for welding steel and stainless steel on DC or AC from square wave power sources

## Availability

Diameter: 1.0-12mm

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

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