

TECHNICAL SHEET

Lanthanated Tungsten Electrodes (Blue)

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000000

Classification

WL20

AWS classification: EWLa-2

Color sign: Blue

Chemical Composition: %

Tungsten: Balance

Lanthanum Oxide: 1.8 - 2.2%

Description and Applications

The 2% lanthanated tungsten electrodes are considered to have superior characteristics. 2% lanthanated tungsten electrodes are often used in critical applications, such as in the aviation industry, and can be used to replace 2% thoriated tungsten electrodes. Both electrodes are well suited to welding carbon steel, stainless steel, nickel alloys, titanium, and aluminum.

They work well on AC or DC electrode negative (DCEN) with a pointed end, or they can be balled for use with AC sine wave power sources. Unlike thoriated tungsten, lanthanated electrodes are suitable for AC welding and, like ceriated electrodes, allow the arc to be started and maintained at lower voltages.

Availability

Diameter: 1.0-12mm

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

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Jan.10,2019