

WC – 20: 2% CERIATED TUNGSTEN ELECTRODE

Classifications:

AWS A5.12 EWCe-2

Description:

Ceriated tungsten electrode contains a minimum of 97.30% Tungsten and 1.70 – 2.20% Cerium and is generally identified through their Grey Tip.

This electrode gives good performance on starting arc and stabilizing arc with low current. With its excellent arc starts at low amperages, ceriated tungsten has become popular in such applications as orbital tube and pipe fabricating, thin sheet metal work, and jobs involving small and delicate parts. Like thorium, it is best used to weld carbon steel, stainless steel, nickel alloys, and titanium, and in some cases it can replace 2 percent thoriated electrodes.

The mobility of cerium oxide is quite high, so ceriated tungsten is not suitable for the application in the high current. If used at higher currents, the cerium oxides may move up to the top of the tungsten electrode, removing the cerium oxides from the remaining electrode

Metal Impex

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