
# STRONG WE3

**CLASSIFICATION: AWS SFA 5.12 EWG**

MULTI-COMPOUND RARE EARTH TUNGSTEN ELECTRODES

## CHARACTERISTICS

STRONG WE3 Rare Earth Tungsten Electrodes (AWS classification EWG) contain a minimum of 98% per cent tungsten and up to 1.5 per cent Lanthanum and small percentages of Zirconium and Yttrium. Rare Earth Tungsten Electrodes provide conductivity similar to that of thoriated electrodes. Typically, this means that Rare Earth Tungsten Electrodes are exchangeable with thoriated electrodes without requiring significant welding process changes.

## APPLICATIONS

STRONG WE3 tungsten rods are a good alternative to Thoriated for AC or DC welding requiring fewer re-grinds and providing a longer overall usage life for low-alloyed steels, aluminum alloys, magnesium alloys, titanium alloys, etc.

## TYPICAL CHEMICAL COMPOSITION (%)

| PRINCIPAL OXIDE | MASS PERCENT OXIDE ADDITION % | SECONDARY OXIDES | IMPURITIES, MASS % | TUNGSTEN, MASS % | COLOR CODE |
|---|---|---|---|---|---|
| LANTHANUM OXIDE | 0.45 - 1.75 | ZIRCONIUM OXIDE + YTTRIUM OXIDE | 0.50 MAX | BALANCE | PURPLE |

## PACKAGING SPECIFICATIONS - TUNGSTEN RODS

| | |
|---|---|
| **DIA SIZE** | **1.60MM / 2.00MM / 2.40MM / 3.00MM / 4.00MM** |
| **PACK SIZE** | **10 RODS PER PACKET & 10 PACKETS PER BOX** |

STRONGWIRE Industries

www.strongwire.in