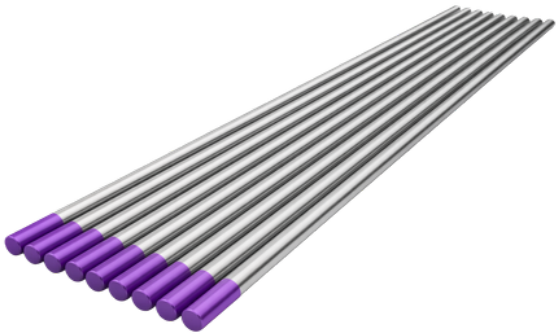


STRONG WE3

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	**1.00MM / 1.60MM / 2.00MM / 2.40MM / 3.00MM / 3.20MM / 4.00MM**
PACK SIZE	**10 RODS PER PACKET & 10 PACKETS PER BOX**

STRONGWIRE Industries

www.strongwire.in