

# WISDOM Welding Consumables

## Nickel based alloy



**AWS ERNiCrMo-10**

**DATA SHEET**

November 2015

### Key features:

- ① used for welding alloys of similar composition, steel and other nickel base alloys and cladding steels.
- ② used to weld duplex, super duplex stainless steels.

### Conformances

**AWS ERNiCrMo-10**

**UNS N06022**

**AWS 5.14**

CHEMICAL COMPOSITION(%)						
C	Si	Mn	S	P	Ni	Cr
≤0.015	≤0.08	≤0.5	≤0.01	≤0.02	Rest	20-22.5
V	W	Fe	Cu	Mo	Co	others
≤0.35	2.3-3.5	2.0-6.0	≤0.5	12.5-14.5	≤2.5	≤0.5

MECHANICAL PROPERTIES		
<b>Tensile Strength</b>	115,000 PSI	790 MPA
<b>Yield Strength</b>	82,000 PSI	570 MPA
<b>Elongation</b>	38%	

Diameter & Packaging			
Form	Diameter	Standard Packaging	
		spool	tube
TIG	1/16" (1.6mm)	15kg/spool	5kg/tube
	3/32" (2.4mm)	15kg/spool	5kg/tube
	1/8" (3.2mm)	15kg/spool	5kg/tube
MIG	.035" (0.9mm)	15kg/spool	5kg/tube
	.045" (1.2mm)	15kg/spool	5kg/tube
	1/16" (1.6mm)	15kg/spool	5kg/tube