



**ENAR WELD BRAZE PVT. LTD**

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**SANICRO 55**

**Classifications:**

ISO 18274: NiCr21Mo16W4/Ni6686  
AWS A5.14/ASME SFA-5.14: ERNiCrMo-14

**Typical Chemistry Composition of Weld Deposit:**

| C     | Si    | Mn    | Cr            | Ni        | Mo            | Fe    | Cu    |
|-------|-------|-------|---------------|-----------|---------------|-------|-------|
| <0.02 | <0.25 | <1.00 | 19.00 - 23.00 | Remainder | 15.00 – 17.00 | <5.00 | <1.00 |

**Description:**

Sanicro 55 is a nickel-chrome-molybdenum alloy of type alloy 686 and is the highest alloyed of all Ni-Cr-Mo alloys. Sanicro 55 is used for joining nickel alloy such as UNS N06022 (2.4602), UNS N06059 (2.4605), UNS N10276 (2.4819) and super duplex.

**Typical Mechanical Properties:**

| Yield Strength<br>(Mpa) | Tensile Strength<br>(Mpa) | Elongation<br>(%) |
|-------------------------|---------------------------|-------------------|
| 565                     | 815                       | 45                |