



CEWELD AA NiCrSiB

TYPE High-alloyed tubular wire on a Ni-Cr-Si-B basis for high wear protection in several applications.

APPLICATIONS The characteristics of the deposit are comparable with cobalt-base alloys but with higher hardness, excellent corrosion resistance, heat resistance and thermal shock constancy. Chemical, food industries along with nuclear technology.

PROPERTIES Very good corrosion resistance combined with high hardness even at higher temperatures. Excellent weldability and often used as economical alternative for „stellite“

CLASSIFICATION EN ISO 14700: T Ni1

SUITABLE FOR rotary seal rings, pumps, sleeves, grinder parts, chemical and glas industry.

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

| C | Si | Mn | Cr | Ni | Fe | B |
|------|-----|-----|------|----|----|---|
| 0.75 | 4.2 | 0.5 | 13.5 | 80 | 3 | 3 |

MECHANICAL PROPERTIES

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | | | | 58 HRc |

REDRYING 140°C / 24 hr

GAS ACC. EN ISO 14175 I1



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AA NICRSIB 1,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| BS-300 | 15 | 8720663403322 |