

TECHNICAL SHEET

CuNi10

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000033

Copper-Nickel Alloy

Classification

AWS A5.7 /
DIN EN1044 /
DIN 1733 SG-CuNi10Fe
ISO 24373 CuNi10

Chemical Composition: %

| Cu | Ni | Si | Mn | Fe | Ti | Other |
|------|----------|------|---------|---------|---------|-------|
| Bal. | 9.0-11.0 | <0.2 | 0.5-1.5 | 1.0-2.0 | 0.2-0.5 | 0.5 |

Mechanical and physical properties

Melting range: 1100 - 1145 °C

Specific gravity: 8.9 g/cm³

Tensile strength: 300 N/mm²

Brinell hardness: 70-90HB

Elongation: 20-34 %

Joining process

Filler metal used for MIG, TIG, oxyacetylene and submerged arc welding of wrought or cast copper-nickel

Description and Applications

Especially good for seawater corrosion resistance. Particularly suitable for the welding and hard facing copper nickel alloys such as machinery, desalting of seawater, ship-building, oil refinery and food processing industries.

Availability

Rods: ϕ 1.5-5.0mm Max.Length: 1000mm

Wire: ϕ 0.8, 1.0, 1.2, 1.6mm on spools D300

Strip

Other dimensions are available upon request

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Jan.10,2019