

B40307 张旭
H42615
2023-11-30 10:08:08
192206801994

Copper-nickel alloys

B40307 张旭
H42615
2023-11-30 10:08:08
192206801994

N10(CuNi10Fe)

Material Designation

AWS	/
EN	CuNi10
JIS	/
GB	CuNi10

Chemical Composition

Cu	Balance	%
Ni	9.0-11.0	%
Fe	0.5-2.0	%
Mn	0.5-1.5	%
Ti	0.1-0.5	%
Si	<0.2	%
C	<0.05	%
P	<0.02	%
S	<0.02	%
Pb	<0.02	%
Other	<0.4	%



B40307 张旭
H42615
2023-11-30 10:08:08
192206801994

B40307 张旭
H42615
2023-11-30 10:08:08
192206801994

B40307 张旭
H42615
2023-11-30 10:08:08
192206801994

Characteristics

N10 is a copper based welding wire containing 10% nickel and has good resistance to seawater corrosion.

Typical Applications

Particularly suitable for welding seawater corrosion resistant container and seawater corrosion resistant heat exchanger.

Physical Properties

Density	8.9	g/cm ³
Melting point	1100-1145	°C
Thermal conductivity	30	W/m·K
Coefficiency of thermal expansion	17	10 ⁻⁶ /K
Electrical conductivity	5-6	%IACS

B40307 张旭
H42615
2023-11-30 10:08:08
192206801094

B40307 张旭
H42615
2023-11-30 10:08:08
192206801094

Copper-nickel alloys

N10(CuNi10Fe)

Tolerance and Delivery Form

Packing		Size(ODxDxHeight)	Weight/Length	Diameter
			kg/mm	mm
Spool	D200 (Plastic spool)	Φ200×Φ52×55	5.0	0.8-1.6
	D300 (Plastic spool)	Φ300×Φ52×100	12.5	0.8-1.6
	BS300 (Galvanized steel spool)	Φ300×Φ52×100	12.5	0.8-1.6
Barrel	100kg (Barrel carton)	Φ500×Φ305×500	100	0.8-1.2
	200kg (Barrel carton)	Φ500×Φ300×750	200	0.8-1.2
	200kg (Barrel carton)	Φ660×Φ440×700	200	1.6
Straight bar	Crate	--	250-3000mm	1.6-7.0
Coil wire	Kraft/crate	--	10-200	0.8-7.0

B40307 张旭
H42615
2023-11-30 10:08:08
192206801094

B40307 张旭
H42615
2023-11-30 10:08:08
192206801094

B40307 张旭
H42615
2023-11-30 10:08:08
192206801094