

INCOLOY 800H/HT

Description

Nickel-iron-chromium alloys with the same basic composition as INCOLOY 800 but with much higher creep-rupture strength. The close control of the aluminum, titanium, and carbon contents in conjunction with a high-temperature anneal result in the higher strength. Incoloy 800 H/HT is used in industrial furnaces, chemical and petrochemical processing, power plants for super-heater and re heater tubing, and heat-treating equipment.

Forms in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS N08810/N08811

Smls Pipe ½"-8" 10s, 40s, 80s ASTM/ASME 407

Limiting Chemical Composition, %

800H	800HT
Ni...30.0-35.0	Ni...30.0-35.0
Fe...39.5 min.	Fe...39.5 min.
Cr...19.0-23.0	Cr...19.0-23.0
C.....0.05-0.10	C.....0.06-0.10
Al...0.15-0.60	Al...0.25-0.60
Ti...0.15-0.60	Ti...0.25-0.60
Al + Ti...0.30-1.20	Al + Ti...0.85-1.20