

Incoloy 800HT(UNS N08811)

Specifications

Item	Chemical Composition (%)									
Incoloy 800HT	C	Mn	Si	S	Al+Ti	Cr	Ni	Fe	Cu	
	0.06~0.1	≤1.5	≤1.0	≤0.015	0.85~1.2	19.0~23.0	30.0~35.0	bal	≤0.75	
	Standard									
	Sheet/Plate		Round bar/Wire			Pipe		Tube		
	ASME SB-409 AMS 5871		ASME SB-408 AMS 5766			ASME SB-407 ASME SB-163 ASME SB-829 ASME SB-751 ASME SB-775		ASME SB-514 ASME SB-515 ASME SB-751 ASME SB-775		

Properties

Incoloy 800HT is an iron-nickel-chromium alloy having the same basic composition as Alloy 800, with significantly higher creep rupture strength. The higher strength results from close control of carbon, aluminum and titanium contents in conjunction with a high temp anneal.