

Incoloy 800H(UNS N08810)

Specifications

Item	Chemical Composition (%)								
Incoloy 800H	C	Mn	Si	S	Al+Ti	Cr	Ni	Fe	Cu
	0.05~0.1	≤1.5	≤1.0	≤0.015	0.3~1.2	19~23	30~35	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 800H(UNS N08800) is nickel-iron-chromium alloy. The 800H modification was to control carbon (0.05 to 0.10%) and grain size to (>ASTM 5) to optimize stress rupture properties.