

Incoloy 825(UNS N08825)

Specifications

Item	Chemical Composition (%)						
Incoloy 825	C	Si	Mn	S	Mo	Ti	
	≤0.05	≤0.5	≤1.0	≤0.03	2.5~3.5	0.6~1.2	
	Al	Cr	Ni	Fe	Cu		
	≤0.2	19.5~23.5	38.0~46.0	≥22.0	1.5~3.0		
	Standard						
	Sheet/Plate		Round bar/Wire		Pipe		Tube
	ASME SB-424 ASME SB-906		ASME SB-425		ASME SB-423 ASME SB-829 ASME SB-163 ASME SB-751 ASME SB-775		ASME SB-704 ASME SB-705 ASME SB-751 ASME SB-775

Properties

Incoloy 825(UNS N08825) is a nickel-iron-chromium alloy with additions of molybdenum, copper and titanium. The alloy's chemical composition is designed to provide exceptional resistance to many corrosive environments.

Application

Incoloy 825(UNS N08825) is used in chemical processing, pollution control, oil and gas recovery, acid production, pickling operations, nuclear fuel reprocessing and handling of radioactive wastes.