

Nickel 52(N52)

Specifications

Item	Chemical Composition (%)							
	C	Mn	Si	Cr	Ni	Fe	P	S
N52	≤0.05	≤0.6	≤0.3	≤0.10	49.0-51.0	Bal	≤0.025	≤0.025
	Standard							
	Plate/Sheet		Round bar/Wire		Pipe		Tube	
	ASME SB-162 AMS 5553		ASME SB-160		ASME SB-161 ASME SB-163 ASME SB-829 ASME SB-751 ASME SB-775		ASME SB-725 ASME SB-751 ASME SB-775 ASME SB-730	

Properties

Nickel 52(N52) have the features of high chromium and nickel contents, providing comparable corrosion resistance, superior resistance to oxidation, and the retention of a larger fraction of room temperature strength.

Application

Nickel 52(N52) is typically used for elevated temperature applications.