

## Material: UNS N19907

### Standard Specification for Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** UNS N19907 Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

**Application:** Intended for Valve, Pump, General Engineering, Automotive and other Industries

**Grade Belongs to the Industry:** Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.200 max.	As-Cast or Annealing or Age Hardning	
Cobalt	Co %	12.000 - 16.000		
Niobium	Nb %	4.300 - 5.200		
Titanium	Ti %	1.200 - 1.800		
Carbon	C %	0.060 max.		
Boron	B %	0.012 max.		
Chromium	Cr %	1.000 max.		
Copper	Cu %	0.500 max.		
Manganese	Mn %	1.000 max.		
Sulphur	S %	0.015 max.		
Silicon	Si %	0.350 max.	Mechanical Properties	
Phosphorus	P %	0.015 max.	Tensile Strength in Mpa	1341 min.
Nickel	Ni %	35.000 - 40.000	Yield Strength in Mpa	1120 min.
Iron	Fe %	Balance	Elongation in %	15 min.
-	-	-	Reduction of Area in %	36.500 min.
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Incoloy Alloy 907	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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