

Material: ASME SB-619 N06985

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-619 N06985 Nickel and Nickel-Cobalt Alloy Pipe

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

Grade Belongs to the Industry: Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	21.000 - 23.500		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	6.000 - 8.000		
Phosphorus	P %	0.040 max.		
Nb + Ta	Nb% + Ta%	0.500 max.		
Tungsten	W %	1.500 max.		
Copper	Cu %	1.500 - 2.500		
			Mechanical Properties	
Cobalt	Co %	5.000 max.	Tensile Strength in Mpa	621 min.
Iron	Fe %	18.000 - 21.000	Yield Strength in Mpa	241 min.
Nickel	Ni %	Balance	Elongation in %	45 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 581 N06975	ASTM	USA	Rod
B 582 N06985	ASTM	USA	Plate, Sheet and Strip
B 622 N06985	ASTM	USA	Pipe and Tube
B 626 N06985	ASTM	USA	Tube
B 581 N06975	ASTM	USA	Rod
SB-582 N06985	ASME	USA	Plate, Sheet and Strip
B 619 N06975	ASTM	USA	Pipe

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com