

Material: ASTM B 619 N06002

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 619 N06002 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 %	0.050 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	20.500 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	8.000 - 10.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	0.500 - 2.500		
Iron	Fe %	17.000 - 20.000		
Tungsten	W %	0.200 - 1.000	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	690 min.
-	-	-	Yield Strength in Mpa	276 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 622 N06002	ASTM	USA	Pipe and Tube
B 626 N06002	ASTM	USA	Tube
B 435 N06002	ASTM	USA	Plate, Sheet and Strip
B 472 N06002	ASTM	USA	Billets and Bars
B 572 N06002	ASTM	USA	Rod
SB-619 N06002	ASME	USA	Pipe
SB-622 N06002	ASME	USA	Pipe and Tube

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