

Material: ASTM B 472 N10629

Standard Specification for Nickel Alloy Bars

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 472 N10629 Nickel Alloy Bars

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

Grade Belongs to the Industry: Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.050 max.		
Manganese	Mn %	1.500 max.		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	0.500 - 1.500		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	26.000 - 30.000		
Aluminium	Al %	0.100 - 0.500		
Cobalt	Co %	2.500 max.		
Iron	Fe %	1.000 - 6.000	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	760 min.
-	-	-	Yield Strength in Mpa	350 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10629	ASTM	USA	Plate, Sheet and Strip
B 335 N10629	ASTM	USA	Rod
B 564 N10629	ASTM	USA	Forging
B 619 N10629	ASTM	USA	Pipe
B 622 N10629	ASTM	USA	Pipe and Tube
B 626 N10629	ASTM	USA	Tube
-	-	-	-

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