



Material - ASTM B 472 N06030

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N06030 Nickel Alloy Billets and Bars for Reforging

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

Grade Belongs to the Industry - Billet and Bar

Chemical Composition			Heat Treatment			
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.800 max.				
Manganese	Mn %	1.500 max.				
Chromium	Cr %	28.000 - 31.500				
Sulphur	S %	0.020 max.				
Molybdenum	Mo %	4.000 - 6.000				
Phosphorus	P %	0.040 max.				
Nb + Ta	Nb% + Ta%	0.300 - 1.500				
Tungsten	W %	1.500 - 4.000				
Copper	Cu %	1.000 - 2.400				
Cobalt	Co %	5.000 max.	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
Iron	Fe %	13.000 - 17.000	Tensile Strength in Mpa	586 min.		
Nickel	Ni %	Balance	Yield Strength in Mpa	241 min.		
-	-	-	Elongation in %	30 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 581 N06030	ASTM	USA	Rod
B 582 N06030	ASTM	USA	Plate, Sheet and Strip
B 462 N06030	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 N06030	ASTM	USA	Pipe
B 622 N06030	ASTM	USA	Pipe and Tube
B 626 N06030	ASTM	USA	Tube
SB-581 N06030	ASME	USA	Rod

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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