Material: ASTM B 472 N10675

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *ASTM B 472 N10675 Nickel Alloy Billets and Bars for Reforging*
Application: *Intended for Valve, Pump, General Engineering, Automotive and other Industries*
Grade Belongs to the Industry: *Bar*

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.100 max.
Manganese	Mn %	3.000 max.
Copper	Cu %	0.200 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	1.000 - 3.000
Phosphorus	P %	0.030 max.
Molybdenum	Mo %	27.000 - 32.000
Iron	Fe %	1.000 - 3.000
Cobalt	Co %	3.000 max.
Tungsten	W %	3.000 max.
Vanadium	V %	0.200 max.
Titanium	Ti %	0.200 max.
Tungsten	W %	3.000 max.
Niobium	Nb %	0.200 max.

Chemical Composition		
Tantalum	Ta %	0.200 max.
Zirconium	Zr %	0.100 max.
Ni + Mo	Ni% + Mo%	94.000 -
Nickel	Ni %	65.000 min.
-	-	-
Heat Treatment		
As-Cast or Annealing or Age Hardning		
Mechanical Properties		
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 N10675	ASTM	USA	Plate, Sheet and Strip
B 335 N10675	ASTM	USA	Rod
B 564 N10675	ASTM	USA	Forging
B 619 N10675	ASTM	USA	Pipe
B 622 N10675	ASTM	USA	Pipe and Tube
B 626 N10675	ASTM	USA	Tube
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