

Material - ASTM B 472 N06002

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N06002 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 %	0.050 - 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	Mechanical Properties	
Tungsten	W %	0.200 - 1.000	Tensile Strength in Mpa	655 min.
Nickel	Ni %	Balance	Yield Strength in Mpa	240 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 619 N06002	ASTM	USA	Pipe
B 622 N06002	ASTM	USA	Pipe and Tube
B 626 N06002	ASTM	USA	Tube
B 435 N06002	ASTM	USA	Plate, Sheet and Strip
B 572 N06002	ASTM	USA	Rod
SB-619 N06002	ASME	USA	Pipe
SB-622 N06002	ASME	USA	Pipe and Tube

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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