

Material - ASTM B 472 R30556

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 R30556 Nickel Alloy Billets and Bars for Reforging

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

Grade Belongs to the Industry - Billets and Bars for Reforging

Chemical Composition			Chemical Composition		
Carbon	C %	0.050 - 0.150	Zirconium	Zr %	0.001 - 0.100
Silicon	Si %	0.200 - 0.800	Nickel	Ni %	15.000 - 22.500
Manganese	Mn %	0.500 - 2.000	Iron	Fe %	Balance
Chromium	Cr %	21.000 - 23.000	-	-	-
Sulphur	S %	0.015 max.	-	-	-
Molybdenum	Mo %	2.500 - 4.000	Heat Treatment		
Phosphorus	P %	0.040 max.	As-Cast or Annealing or Age Hardning		
Cobalt	Co %	16.000 - 21.000	Mechanical Properties		
Aluminium	Al %	0.100 - 0.500	Tensile Strength in Mpa	690 min.	
Lanthanum	La %	0.005 - 0.100	Yield Strength in Mpa	310 min.	
Boron	B %	0.020 max.	Elongation in %	40 min.	
Niobium	Nb %	0.030 max.	Reduction of Area in %	-	
Tantalum	Ta %	0.300 - 1.250	Hardness in BHN	-	
Nitrogen	N %	0.100 - 0.300	Impact in Joule	-	
Tungsten	W %	2.000 - 3.500			

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 619 R30556	ASTM	USA	Pipe
B 622 R30556	ASTM	USA	Pipe
B 626 R30556	ASTM	USA	Tube
B 435 R30566	ASTM	USA	Plate, Sheet and Strip
B 572 R30566	ASTM	USA	Rod
SB-619 R30556	ASME	USA	Pipe
SB-622 R30556	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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