

Material - ASTM B 435 R30556

Standard Specification for Nickel and Nickel-Cobalt Alloy Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 435 R30556 Nickel and Nickel-Cobalt Alloy Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.050 - 0.150
Silicon	Si %	0.200 - 0.800
Manganese	Mn %	0.500 - 2.000
Chromium	Cr %	21.000 - 23.000
Sulphur	S %	0.015 max.
Molybdenum	Mo %	2.500 - 4.000
Phosphorus	P %	0.040 max.
Cobalt	Co %	16.000 - 21.000
Aluminium	Al %	0.100 - 0.500
Lanthanum	La %	0.005 - 0.100
Boron	B %	0.020 max.
Niobium	Nb %	0.030 max.
Tantalum	Ta %	0.300 - 1.250
Nitrogen	N %	0.100 - 0.300
Tungsten	W %	2.000 - 3.500

Chemical Composition		
Zirconium	Zr %	0.001 - 0.100
Nickel	Ni %	15.000 - 22.500
Iron	Fe %	Balance
-	-	-
-	-	-
Heat Treatment		
As-Cast or Annealing or Age Hardning		
Mechanical Properties		
Tensile Strength in Mpa	690 min.	
Yield Strength in Mpa	310 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 619 R30556	ASTM	USA	Pipe
B 622 R30556	ASTM	USA	Pipe
B 626 R30556	ASTM	USA	Tube
B 472 R30566	ASTM	USA	Billets and Bars for Reforging
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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