

Material - ASTM B 536 N08332

Standard Specification for Nickel-Iron-Chromium-Silicon Alloys Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 536 N08332 Nickel-Iron-Chromium-Silicon Alloys 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			Heat Treatment	
Carbon	C %	0.050 - 0.100	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.750 - 1.500		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	17.000 - 20.000		
Sulphur	S %	0.030 max.		
Copper	Cu %	1.000 max.		
Phosphorus	P %	0.030 max.		
Nickel	Ni %	34.000 - 37.000		
Lead	Pb %	0.005 max.	Mechanical Properties	
Tin	Sn %	0.025 max.	Tensile Strength in Mpa	462 min.
Iron	Fe %	Balance	Yield Strength in Mpa	186 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	65 - 88
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 511 N08332	ASTM	USA	Bar and Shape
B 535 N08332	ASTM	USA	Pipe and Tube
B 739 N08332	ASTM	USA	Tube
B 546 N08332	ASTM	USA	Pipe
SB-511 N08332	ASME	USA	Bar and Shape
SB-535 N08332	ASME	USA	Pipe and Tube
SB-536 N08332	ASME	USA	Plate, Sheet and Strip

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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