

Material: ASME SB-511 N08332

Standard Specification for Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-511 N08332 Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes

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

Grade Belongs to the Industry: Bar and Shape

Chemical Composition		
Carbon	C %	0.050 - 0.100
Silicon	Si %	0.750 - 1.500
Manganese	Mn %	2.000 max.
Chromium	Cr %	17.000 - 20.000
Sulphur	S %	0.030 max.
Lead	Pb %	0.005 max.
Phosphorus	P %	0.030 max.
Copper	Cu %	1.000 max.
Tin	Sn %	0.025 max.
Nickel	Ni %	34.000 - 37.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	462 min.
Yield Strength in Mpa	186 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HRB	-
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 536 N08332	ASTM	USA	Plate, Sheet and Strip
B 739 N08332	ASTM	USA	Tube
B 546 N08332	ASTM	USA	Pipe
SB-535 N08332	ASME	USA	Pipe and Tube
SB-536 N08332	ASME	USA	Plate, Sheet and Strip

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com