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

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