

Material - ASTM B 511 N08330

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 511 N08330 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			Heat Treatment	
Carbon	C %	0.080 max.	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.		
Tin	Sn %	0.025 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	210 min.
			Elongation in %	30 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 512 N08330	ASTM	USA	Billets and Bar
B 535 N08330	ASTM	USA	Pipe and Tube
B 536 N08330	ASTM	USA	Plate, Sheet and Strip
B 710 N08330	ASTM	USA	Pipe
B 739 N08330	ASTM	USA	Tube
SB-511 N08330	ASME	USA	Bar and Shape
SB-535 N08330	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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