

Material: DIN 1.5681

Standard Specification for Alloyed NiMn steel

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 1.5681 Alloyed NiMn steel

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 - 0.120	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Nickel	Ni %	4.500 - 5.500		
Nickel	Ni %	4.000 - 5.000		
Molybdenum	Mo %	0.250 max.		
Vanadium	V %	0.300 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 550 - 750 Yield Strength in Mpa 380 min. Elongation in % 18 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
E2512	AISI	USA	Casting
GX 10 Ni 5	DIN	Germany	Casting
AM 8 Ni 18	UNE	Spain	Casting
Ao 10 Ni 20	MSZ	Hungary	Casting
2512.0000	SAE	USA	Steel
J41501	UNS	USA	Casting
A757 B4N B4Q	ASTM	USA	Casting

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