

Material: SAE 2512

Standard Specification for Former Sae Standard and Former Sae Ex-Steels

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 2512 Former Sae Standard and Former Sae Ex-Steels

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

Grade Belongs to the Industry: Steel

Chemical Composition		
Carbon	C %	0.090 - 0.140
Silicon	Si %	0.200 - 3.500
Manganese	Mn %	0.450 - 0.600
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Nickel	Ni %	4.750 - 5.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	275 min.
Elongation in %	24 min.
Reduction of Area in %	35 min.
Hardness in BHN	-
Impact in Joule	20 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
J41501	UNS	USA	Casting
1.5681	DIN	Germany	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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India