

Material: ASME SA-240 Type 29-4-2

Standard Specification for Chromium Stainless Steel Plate, Sheet and Strip for Fusion Welded Unfired Pressure Vessels

Group: Ferrous Stainless Steel Alloys

Sub Group: ASME SA-240 Type 29-4-2 Chromium Stainless Steel Plate, Sheet and Strip for Fusion Welded Unfired Pressure Vessels

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

Grade Belongs to the Industry: Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.200 max.
Manganese	Mn %	0.300 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	28.000 - 30.000
Molybdenum	Mo %	3.500 - 4.200
Nickel	Ni %	2.000 - 2.500
Nitrogen	N %	0.020 max.
C+N	C % + N %	0.025 max.
Copper	Cu %	0.150 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	415 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	223 max. (20 max. HRC)
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S44800	UNS	USA	Plate, Sheet and Strip
A268 29-4-2	ASTM	USA	Plate, Sheet and Strip
A497 S44800	ASTM	USA	Plate, Bar and Forging
A511 29-4-2	ASTM	USA	Tube
A791 Grade 29-4-2	ASTM	USA	Plate, Sheet and Strip
SA-731 29-4-2	ASME	USA	Casting
A731 29-4-2	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