

Material: ASTM A 789 S32906

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A 789 S32906 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry: Steel and Tube

| Chemical Composition | | |
|----------------------|------|-----------------|
| Carbon | C % | 0.030 max. |
| Silicon | Si % | 0.500 max. |
| Manganese | Mn % | 0.800 - 1.500 |
| Phosphorus | P % | 0.030 max. |
| Sulphur | S % | 0.030 max. |
| Chromium | Cr % | 28.000 - 30.000 |
| Nickel | Ni % | 5.800 - 7.500 |
| Molybdenum | Mo % | 1.500 - 2.600 |
| Nitrogen | N % | 0.300 - 0.400 |
| Copper | Cu % | 0.800 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment | |
|----------------|--------------------|
| | Solution Annealing |

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 750 min. |
| Yield Strength in Mpa | 550 min. |
| Elongation in % | 25 min. |
| Reduction of Area in % | - |
| Hardness in HB | 300 max. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A240 UNS S32906 | ASTM | USA | Steel, Plate, Sheet and Strip |
| S32906 | UNS | USA | Steel |
| A959 S32906 | ASTM | USA | Steel |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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