



Material - ASME SA-995 Grade 2A

Austenitic-Ferritic (Duplex) Stainless Steel Castings for Pressure-Containing Parts

Group - Ferrous Stainless Steel Alloys

Sub Group - SA-995 Austenitic-Ferritic (Duplex) Stainless Steel Castings for Pressure-Containing Parts

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|------------------------------|----------|
| Carbon | C % | 0.080 max. | Solution Annealing | |
| Silicon | Si % | 1.500 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.040 max. | | |
| Chromium | Cr % | 22.500 - 25.500 | | |
| Nickel | Ni % | 8.000 - 11.000 | | |
| Molybdenum | Mo % | 3.000 - 4.500 | | |
| Nitrogen | N % | 0.100 - 0.300 | | |
| Iron | Fe % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 655 min. |
| - | - | - | Yield Strength in Mpa | 450 min. |
| - | - | - | Elongation in % | 25 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| J93345 | UNS | USA | Casting |
| A995 2A | ASTM | USA | Casting |
| A890 2A | ASTM | USA | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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