GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - KS D 3698 STS447J1

## Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - KS D 3698 STS447J1 Cold-Rolled Stainless Steel Sheet and Strip**

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

**Grade Belongs to the Industry - Sheet and Strip**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.010 max. |
| Silicon | Si % | 0.400 max. |
| Manganese | Mn % | 0.400 max. |
| Phosphorus | P % | 0.030 max. |
| Sulphur | S % | 0.020 max. |
| Chromium | Cr % | 28.500 - 32.000 |
| Molybdenum | Mo % | 1.500 - 2.500 |
| Nitrogen | N % | 0.015 max. |
| Nickel | Ni % | 0.500 max. |
| Copper | Cu % | 0.200 max. |
| Ni + Cu | Ni% + Cu% | 0.500 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw or Annealing or Quenching + Tempering |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 450 min. |
| Yield Strength in Mpa | 295 min. |
| Elongation in % | 22 min. |
| Reduction of Area in % | - |
| Hardness in HB | 207 max. |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| G 4305 SUS 447 J1 | JIS | Japan | Plate, Sheet and Strip |
| G 4304 SUS 447 J1 | JIS | Japan | Plate, Sheet and Strip |
| G 4303 SUS 447 J1 | JIS | Japan | Steel and Bars |
| S44700 | UNS | USA | Steel |
| A 268 29-4 | ASTM | USA | Steel and Tubing |
| A 511 29-4 | ASTM | USA | Steel and Tubing |
| A 959 Type 29-4 | ASTM | USA | Steel |

**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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