



Material - ASTM A915 Grade SC 8620

Standard Specification for Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A915 / A915M Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---|---|
| Carbon | C % | 0.180 - 0.230 | As- Cast or Normalising or Annealing or Hardening + Tempering | |
| Silicon | Si % | 0.300 - 0.600 | | |
| Manganese | Mn % | 0.600 - 1.000 | | |
| Phosphorus | P % | 0.035 max. | | |
| Sulphur | S % | 0.040 max. | | |
| Chromium | Cr % | 0.400 - 0.600 | | |
| Molybdenum | Mo % | 0.150 - 0.250 | | |
| Nickel | Ni % | 0.400 - 0.700 | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | - |
| | | | Yield Strength in Mpa | - |
| | | | Elongation in % | - |
| | | | Reduction of Area in % | - |
| | | | Hardness in BHN | - |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| J12095 | UNS | USA | Casting |
| 8620 | AISI | USA | Bar, Wire, Tube and Forging |
| 8620 | SAE | USA | Bar, Wire, Tube and Forging |
| 8620 | AS | Australia | Bar, Wire, Tube and Forging |
| 8620 | AMS | USA | Bar, Wire, Tube and Forging |
| A 29 8620 | ASTM | USA | Bar, Wire, Tube and Forging |
| A 505 8620 | ASTM | USA | Bar, Wire, Tube and Forging |

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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