

**Material:** ASTM A 510 1075

# Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

## **Group: Ferrous Mild Steel Alloys**

### **Sub Group: ASTM A 510 1075 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel**

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

## Grade Belongs to the Industry: Steel

## Heat Treatment

| Mechanical Properties   |             |
|-------------------------|-------------|
| Tensile Strength in Mpa | 1025 min.   |
| Yield Strength in Mpa   | 696 min.    |
| Elongation in %         | 17.6 min.   |
| Reduction of Area in %  | 58.2 min.   |
| Hardness in BHN         | -           |
| Impact in Joule         | 21.7 J @ RT |

| Cross Reference Table |          |         |   |
|-----------------------|----------|---------|---|
| Material              | Standard | Country | Grade Belong to the Industry                      |
| G10750                | UNS      | USA     | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1075                  | SAE      | USA     | Steel   |
| 1075                  | AISI     | USA     | Steel and Bar                                     |
| A 1040 1075           | ASTM     | USA     | Steel   |
| A 29 1075             | ASTM     | USA     | Steel and Bar                                     |
| A 713 G10750          | ASTM     | USA     | Steel   |
| A 713 Grade 1075      | ASTM     | USA     | Steel   |

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