

EN10149S700MC steel plate/sheet High yield strength for cold forming steels

EN10149S700MC steel plate/sheet, EN10149 S700MC steel plate/sheet, under EN standard, we can regard S700MC steel plate/sheet as high yield strength steels for cold-forming steels.

EN10149S700MC is mainly used as high yield strength steels for cold-forming steels. The EN10149S700MC steel is equivalent to DIN QStE690TM, NFA E690D, ASTM A514 and BS 75F70 steel grades.

| S700MC EN 10149-2 Number:1.8974 | Comparision of steel grades | |
|---------------------------------------|-----------------------------|------------|
| | SEW092 | QStE 690TM |
| | NFA36-231 | E690D |
| | UNI8890 | - |
| | ASTM | A514 |
| | BS1449 | 75F70 |

Chemical Composition of EN S700MC steel, by %

| Grade | C max | Si max | Mn max | P max | S max | AL max | Nb max | V max | Ti max | Mo max | B max |
|------------|----------|-----------|-----------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| S700M C | 0.12 | 0.6 | 2.1 | 0.025 | 0.015 | 0.015 | 0.09 | 0.2 | 0.22 | 0.5 | 0.005 |

Mechanical Properties of EN S700MC steel

| | |
|---------------------------------|-----|
| Nominal thickness(mm) | - |
| ReH-Minimum yield strength(Mpa) | 700 |

| | |
|--------------------------|---------|
| Nominal thickness(mm) | - |
| Rm-Tensile strength(Mpa) | 750-950 |

| | |
|------------------------------------|--------|
| Nominal thickness(mm) | From 3 |
| A-Minimum elongation Lo=5,65√So(%) | 12 |

| | |
|------------------------------------|------|
| Nominal thickness(mm) | to 3 |
| A-Minimum elongation Lo=Lo=80mm(%) | 10 |

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