

**ASTM A572Gr42/50 steel plate/sheet** for High Yield Steel

Key words: [A572Gr42/50 steel plate/sheet](#), ASTM A572Gr42/50 steel plate/sheet, ASTM A572Gr42/50 steel plate/sheet supplier/Chinese supplier, ASTM A572Gr42/50 steel plate/sheet price, ASTM A572Gr42/50 steel plate/sheet mechanical property.

**ASTM A572Gr42/50 steel chemical composition** %:

Main chemical composition in ASTM A572Gr42/50 steel is carbon max 0.24, silicon max 0.55, manganese max 1.60, phosphorus max 0.045, Sulphur max 0. More detailed information about A572Gr42/50 steel, please refer to the down table:

| Chemical elements | C≤ 16mm max | C>16mm max | Si max | Mn max | P max. | S max. |
|-------------------|-------------|------------|--------|--------|--------|--------|
| %,by mass         | 0.24        | 0.24       | 0.55   | 1.60   | 0.045  | 0.045  |

**ASTM A572Gr42/50 steel** mechanical property:

572Gr42/50 steel plate is one mainly of Carbon and low alloy steel, ASTM A572Gr42,50,55,60,65 steel is high strength low alloy steel plate sheet which is widely used in plants building, general mansions and all kinds of construction machinery, such as mines and various types of drilling rig used in construction, power shovel, electric wheel dump trucks, mining vehicles,excavators, loaders, bulldozers , various types of cranes, hydraulic support, coal mining machinery and equipments and other structures.

| thickness   | Yield StrengthReH[N/mm2] transv.min. | TensileStrengthRm[N/mm2]transv. | Fracture Elongation[%]transv. min. | Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J] |
|---|--------------------------------------|---------------------------------|------------------------------------|---|
| t≤ 16mm<br>t >16mm  | 355<br>345                           |                                 |                                    | 20 degree<br>27J  |
| t < 3mm<br>t ≥ 3mm  |                                      | 510-680<br>490-630              |                                    |   |
| Up to 1.5mm<br>1.51-2.00mm<br>2.01-2.50mm<br>2.51-2.99mm<br>≥ 3mm |                                      |                                 | 13<br>14<br>15<br>16<br>20         |   |

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of ASTM A572Gr42/50 steel are available, so if need, welcome to contact ICE steel sales team.

**Ice steel — The most professional exporter on weathering resistant steel**

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