ASME SA516 Grade 60 STEEL PLATE

1.Pressure Vessel Steel Home Page

ASME SA516

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2.ASME SA516 Grade 60 pressure vessel and boiler quality steel used in lower temperature service. An ideal steel for use in moderate to lower working temperatures, ASME SA516 Grade 60 is used in the fabrication of weldable industrial boilers and steel pressure vessels.

3.It is a normalized steel which is known for its excellent notch toughness and weldability and is primarily found in pressurised service throughout the oil, gas and petrochemical industry.

4.We carry a significant volume of ASME SA516 Grade 60 carbon steel plates in stock which we ship to our clients worldwide. These plates come with mill certification and are hard stamped so are fully traceable.

Please refer to the data tables below for further information.

5.Table 1: Chemical Composition of ASME SA516 Grade 60

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Carbon (C) | % | Manganese (Mn) | % | Phosphorus (P) | % |
| 12.5mm or less 12.5 - 50mm 50 - 100mm 100 - 200mm > 200mm | 0.21 0.23 0.25 0.27 0.27 | 12.5mm or less       • Heat Analysis :       • Product Analysis : Over 12.5mm       • Heat Analysis :       • Product Analysis : | 0.60-0.90 0.55-0.98  0.85-1.20 0.79-1.30 | (max) | 0.035 |
| Sulphur (S) | % | Silicon (Si) | % |  | |
| (max) | 0.035 | • Heat Analysis :       • Product Analysis : | 0.15-0.40 0.13-0.45 |

(Maximum values unless stated otherwise)

Table 2: Mechanical Properties of ASME SA516 Grade 60

|  |  |
| --- | --- |
| Description | Grade 60 |
| Tensile strength (ksi) Tensile strength (MPa) Yield strength (ksi) Yield strength (MPa) Elongation in 200mm (min)(%) Elongation in 50mm (min) (%) | 60-80 415-550 32 220 21 25 |

(Minimum values unless stated otherwise)

(Please note: the technical information above is for guidance only – for exact specifications please check with our Sales Team)

6.To find out more about ASME SA516 Grade 60 and to receive a competitive quotation for the supply of this material, please contact us.