

## ASTM A516Gr70 steel plate/sheet for Weldable normalized fine grained pressure vessel steels

ASTM A516Gr70 steel plate/sheet, ASTM A516Gr70 steel plate/sheet, under ASTM standard, we can regard A516Gr70 steel plate/sheet for simple pressure vessels steel.

ASTM A516Gr70/ASME SA516Gr70 is an excellent choice for service in lower than ambient temperature applications, has excellent notch toughness and is used in both pressure vessels and industrial boilers. ASTM A516Gr70/ASME SA516Gr70 offers greater tensile and yield strength when compared to ASTM A516Gr65/ASME SA516Gr65 and can operate in even lower temperature service.

### Chemical Composition of ASTM A516 Grade 70 /ASME SA516 Grade70

Carbon(C)	%	Manganese(Mn)	%	Phosphorus(P)	%
12.55mm or less	0.27	12.5mm or less		(max)	0.035
12.5-50mm	0.28	Heat Analysis	0.85-1.20		
50-100mm	0.30	Product Analysis	0.79-1.30		
100-200mm	0.31	Over 12.5mm			
>200mm	0.31	Heat Analysis	0.85-1.20		
		Product Analysis	0.79-1.30		
Sulphur(S)	%	Silicon(Si)	%		
(max)	0.035	Heat Analysis	0.15-0.40		
		Product Analysis	0.13-0.45		

### Mechanical Properties of ASTM A516Gr70/ASTM SA516Gr70

Description	Grade70
Tensile Strength(Ksi)	70-79
Tensile Strength(MPa)	485-620
Yield Strength(Ksi)	38
Elongation in 200mm(min.%)	260
Elongation in 50mm(min.%)	17
Thickness(max/min)	21 205

### **Bebon steel — The most professional exporter on shipbuilding steel**

Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax:0086-371-86011881

MSN:bebonchina@hotmail.com

Skype:bebonchina

Web:http://www.shipbuilding-steel.com    http://www.bebonchina.com

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.



**BEBON**

BebonChina.com

**Henan BEBON international co.,ltd**

---

**Bebon steel — The most professional exporter on shipbuilding steel**

---

Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax:0086-371-86011881

MSN:bebonchina@hotmail.com

Skype:bebonchina

Web:<http://www.shipbuilding-steel.com>    <http://www.bebonchina.com>

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.