

[ASTM A516Gr60 steel plate/sheet](#), ASTM [A516Gr60 steel plate/sheet](#), under ASTM standard, we can regard [A516Gr60 steel plate/sheet](#) for simple pressure vessels steel.

ASME [SA516Gr60](#) is a boiler and pressure vessel quality steel which is ideal for moderate and lower temperature service. The material is used extensively by industrial boiler and pressure vessel fabricators who provide manufacturing support to the oil, gas and petrochemical industry. The steel has good weldability and excellent notch toughness.

Chemical Composition of ASTM [A516 Gr60](#)/ASME SA516Gr60

Carbon(C)	%	Manganese(Mn)	%	Phosphorus(P)	%
12.55mm or less	0.21	12.5mm or less	0.6-0.9	(max)	0.035
12.5-50mm	0.23	Heat Analysis	0.55-0.98		
50-100mm	0.25	Product Analysis	0.85-1.20		
100-200mm	0.27	Over 12.5mm	0.79-1.30		
>200mm	0.27	Heat Analysis			
		Product Analysis			
		Product Analysis			
Sulphur(S)	%	Silicon(Si)	%		
(max)	0.035	Heat Analysis	0.15-0.40		
		Product Analysis	0.13-0.45		

Mechanical Properties of ASTM A516Gr60/ASME SA516Gr60

Description	Grade60
Tensile Strength(Ksi)	60-80
Tensile Strength(MPa)	415-550
Yield Strength(Ksi)	32
Elongation in 200mm(min.%)	220
Elongation in 50mm(min.%)	21
Thickness(max/min)	25
	205

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