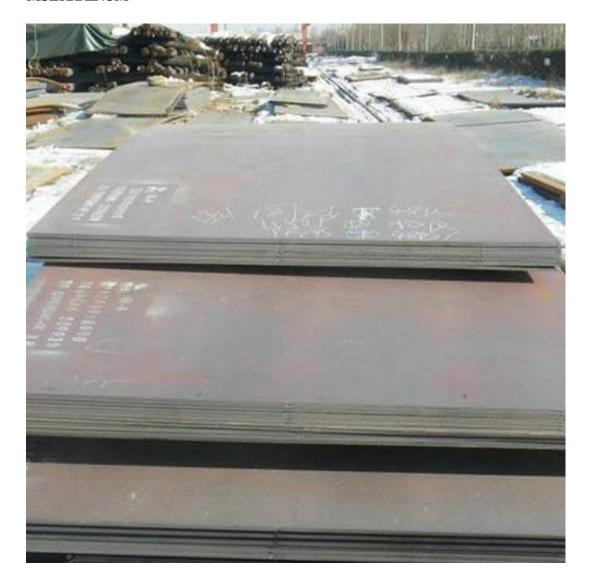


ASTM A204/A204M

ASTM A204/A204M Specification FOR PRESSURE VESSEL PLATES, ALLOY STEEL, MOLYBDENUM



ASME SA204 is a kind of Mo-alloy steel material used to fabric high temperature pressure vessels. Obviously, SA204 this property is based on it's Mo composition. ASME SA-204/SA-204M SA204 has three grades or levels-- Grade A/B/C. SA204 steel grade specification covers molybdenum alloy, intended particularly of welded boilers and others pressure vessels steel plate in SA204 Gr. A,SA204 Gr. B and SA204 Gr. C.

Standard: ASME SA-204/SA-204M

Grade: SA-204 Gr.A, SA-204 Gr.B, SA-204 Gr.C

Thickness: 8mm -260mm

Width: 1000mm-4000mm

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Length: 1000mm-20000mm

MOQ: 1 PC

Product type: Steel plate

Delivery time: Promptly (Stock) or 10-40 days (Production)

Stock: Available

MTC: Available

Delivery condition: As Rolled or Normalized

Thickness over 40mm, should be Normalized

TABLE 1 CHEMICAL REQUIREMENTS

Element	Composition, %					
	Grade A	Grade B	Grade C			
Carbon, max ^A ;						
Up to 1 In. [25 mm] Incl, In						
thickness	0.18	0.20	0.23			
Over 1 In. to 2 In. [50 mm]						
Incl, In thickness	0.21	0.23	0.26			
Over 2 In. to 4 In. [100 mm]						
Incl, In thickness	0.23	0.25	0.28			
Over 4 In. [100 mm] In						
thickness	0.25	0.27	0.28			
Manganese, max:						
Heat analysis	0.90	0.90	0.90			
Product analysis	0.98	0.98	0.98			
Phosphorus, max A	0.035	0.035	0.035			
Sulfur, max ⁴	0.035	0.035	0.035			
Silicon:						
Heat analysis	0.15-0.40	0.15-0.40	0.15-0.40			
Product analysis	0.13-0.45	0.13-0.45	0.13-0.45			
Molybdenum:						
Heat analysis	0.45-0.60	0.45-0.60	0.45-0.60			
Product analysis	0.41-0.64	0.41-0.64	0.41-0.64			

A Applies to both heat and product analyses.

TABLE 2 TENSILE REQUIREMENTS

	Grade A			Grade B			Grade C		
	ksi	[MPa]	ksi		[MPa]	ksi		[MPa]	
Tensile strength	65-85	E450-585	70-90		[485-620]	75-95		[515-655]	
Yield strength, min ⁴	37	[255]	40		[275]	43		[295]	
Elongation in 8 in. [200 mm], min, %	1	9 B		17 B			16 ^B		
Elongation in 2 in. [50 mm], min, %	2	3 B		21 B				20 B	

 $^{^4}$ Determined by either the 0.2% offset method or the 0.5% extension-under-load method. $^{\it B}$ See Specification A20/A 20 M.

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ASME SA204 Gr.A pressure vessel steel is widely used in petroleum, chemical industry, power station, boiler, etc, used to make the reactor, heat exchanger, separator, spherical tank, liquefied gas, nuclear reactor pressure vessel, boiler steam drum steam, liquefied petroleum, hydropower station, high pressure pipe.

ASTM SA204

ASTM A204 Gr.A alloy steel plate

ASTM A204 Gr.B steel plate price

ASTM A204 Gr.C steel sheet supplier

ASME SA204 Gr.A steel plate for pressure vessels

ASME SA204 Gr.B alloy steel sheet offer

ASME SA204 Gr.C steel plate competitive price

We are a professional ASME SA204 and ASME A204 steel stockist and supplier. We can supply different product type of ASME SA204. If you have any need of ASME SA204 steel please do not hesitate to contact us

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