

**ASTM A515gr.55, 60, 65, 70 Boiler Pressure Vessel**

Key words :

**A515gr.55,60,65,70 steel plate**, ASTM A515gr.55,60,65,70 steel plates is a kind of material for boiler and pressure vessel steel. ASTM A515gr.55,60,65,70 steel plates is characterized by a minimum yield strength of 220 - 295 MPa and by good weldability, so A515gr.55,60,65,70 steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids. the following are ASTM A515gr.55,60,65,70 steel plate's Chemical composition and mechanical properties.

If you are looking for Chinese **A515gr.55, 60, 65, 70 steel supplier**, if you want to know A515gr.55,60,65,70 steel price, please be free to contact us.

**ASTM A515gr.55,60,65,70 steel Chemical Composition** % :

Main chemical composition in ASTM A515gr.55,60,65,70 steel: Carbon from 0.08 to 0.2, Manganese from 0.90 to 1.50, Sulphur max 0.015, Phosphorus max 0.025, Silicon max 0.40, More detailed information, please refer to the flowing table:

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
A515gr.55,60,65,70	0.08-0.2	0.90-1.50	0.015	0.012	0.30	0.020	0.03	0.40	0.025	0.020	0.30	0.08	0.30	0.02

**ASTM A515gr.55,60,65,70 steel Mechanical Properties**

A515gr.55,60,65,70 this material is mainly used to fabricate boiler and pressure vessel. So ,same the other boiler and pressure vessel using steel plate, this kind of steel has the good grain and Mechanical properties. It's yield strength is between 220- 295 MPa (there is different min strength point at the different thickness.) A515gr.55,60,65,70 tensile strength is from 430MPa to 580MPa. (different min strength point at the different thickness.) More detailed information about ASTM A515gr.55,60,65,70 steel Mechanical Properties , please refer to the following table:

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
A515gr.55,60,65,70	Normalized	≤16 16>to≤40	295	460-580	21	27	34	40
		40>to≤60	290	460-580	21	27	34	40
		60>to≤100	285	460-580	21	27	34	40
		100>to≤150	260	460-580	21	27	34	40
		150>to≤250	235	440-570	21	27	34	40
			220	430-570	21	27	34	40

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