

**The EN 10028-2 10CrMo9-10 steel plate/sheet**, Application of Pressure vessel & Boiler **10CrMo9-10 steel plate/sheet**: widely used in petroleum, chemical, power station boilers making and other industries for the production of reactor, heat exchanger, separator, spherical tanks, oil cans, gas cans, nuclear reactor pressure vessel, boiler steam package, liquefied petroleum gas cylinders, high pressure water main station, hydraulic turbine vortex shells and other equipments and components; High-strength & low-alloy **10CrMo9-10 steel plate**: widely used in plants building, general mansions and all kinds of construction machinery, such as mines and various types of drilling rig used in construction, power shovel, electric wheel dump trucks, mining vehicles, excavators, loaders, bulldozers, various types of cranes, hydraulic support, coal mining machinery and equipments and other structures.

## Comparision of steel grades

<b>10CrMo910 EN</b> <b>10028-2</b> Number:1.7380	DIN 17155	10 CrMo 9 10
	NFA 36-205	10 CD 9.10
	UNI 5869	-
	BS 1501	<b>622 Gr.31</b>
	UNE 36087	-
	ASTM	<b>A 387 Gr.22</b>
	JIS G3115	-

## 10CrMo9-10 steel plate Chemical Composition [%]

Grade	C.	Mn.	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni.	V.
10Cr	0.08-	0.40-	0.0	0.01	0.30	-	-	0.50	0.02	-	2.00-	0.90-	-	-
Mo910	0.14	0.80	10	2					0		2.50	1.10		

 10CrMo9-10 steel sheet **Mechanical Properties**

Grade	Thickness mm	Yield strength Mpa	<b>Tensile Strength</b> <b>MPa</b>	Elongation (A) %	Impact Energy KV at Test temperature [J]		
					-20°	0°	+20
13CrMo 4-5	≤16	310	480-630	18	-	-	31
	16>to≤40	300	480-630	18	-	-	31
	40>to≤60	290	480-630	18	-	-	31
	60>to≤100	280	470-620	17	-	-	27
	100>to≤150	265	460-610	17	-	-	27
	150>to≤250	250	450-600	17	-	-	27

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