



10CrMo910

10CrMo910, with increased molybdenum and chromium, provides greater heat and corrosion resistance than 16Mo3 & 13CrMo45.

Again the material is a pressure vessel grade steel for use in elevated temperature service. Masteel supplies 10CrMo910 to fabricators serving the oil and gas industry. The steel has good weldability and is offered under the [EN 10028](#) standard.

Chemical Composition of 10CrMo910

Grade	C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu
10CrMo910	0.08/0.14	0.5	0.40/0.80	0.02	0.01	2.00/2.50	0.90/1.10	–	0.012	0.3

Mechanical Properties of 10CrMo910

Thickness	Yield Strength	Tensile Strength	Elongation (A)
mm	MPa	MPa	%
≤16	310	480/630	18
>16 ≤40	300	480/630	18
>40 ≤60	290	480/630	18
>60 ≤100	280	470/620	17
>100 ≤150	265	460/610	17
>150 ≤250	250	450/600	17

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Impact energy KV at test temperature

Thickness	-20 ℃	0 ℃	+20 ℃
mm	J	J	J
≤16	—	—	31
>16 ≤40			31
>40 ≤60			31
>60 ≤100			27
>100 ≤150			27
>150 ≤250			27

Usage of 10CrMo910 seamless steel pipe



10CrMo910 seamless steel pipe is widely used in the hydraulic prop, high-pressure gas cylinders, high-pressure boilers, chemical fertilizer plants, petroleum cracking, car hemi shells, diesel engine, and hydraulic fittings with pipe.

Seamless steel pipe seamless steel pipe in accordance with the purposes divided into structural; conveyance of seamless steel pipe; boiler seamless steel tubes; boiler with high pressure seamless steel; fertilizers, equipment, high pressure seamless steel; exploration of geological brick seamless steel pipe; petroleum brick exploration with seamless steel pipe; petroleum cracking; ship with seamless steel; cold drawn cold rolled precision seamless steel pipe; the various alloy tube.

If you are interested in our products or cooperating with us, even having a comment please contact us now, for more detailed information.

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