



HEAT RESISTANT FERRITIC STEEL

Wr.Nr.	PN	EN	GOST	AISI
1.4742	-	X10CrAl18	15X18C10	442

CHEMICAL COMPOSITION

Chemical composition (in weight %)

Element	C	Si	Mn	P	S	Cr	Al
min	max.	0.70	max.	max.	max.	17.00	0.70
max	0.12	1.40	1.00	0.04	0.015	19.00	1.20

APPLICATION

Furnace fittings, transport elements, heat resistant elements of furnace.

TREATMENT

Annealing	800 - 860 °C / water, air
Heat treatment condition	annealed
Microstructure	Ferrite

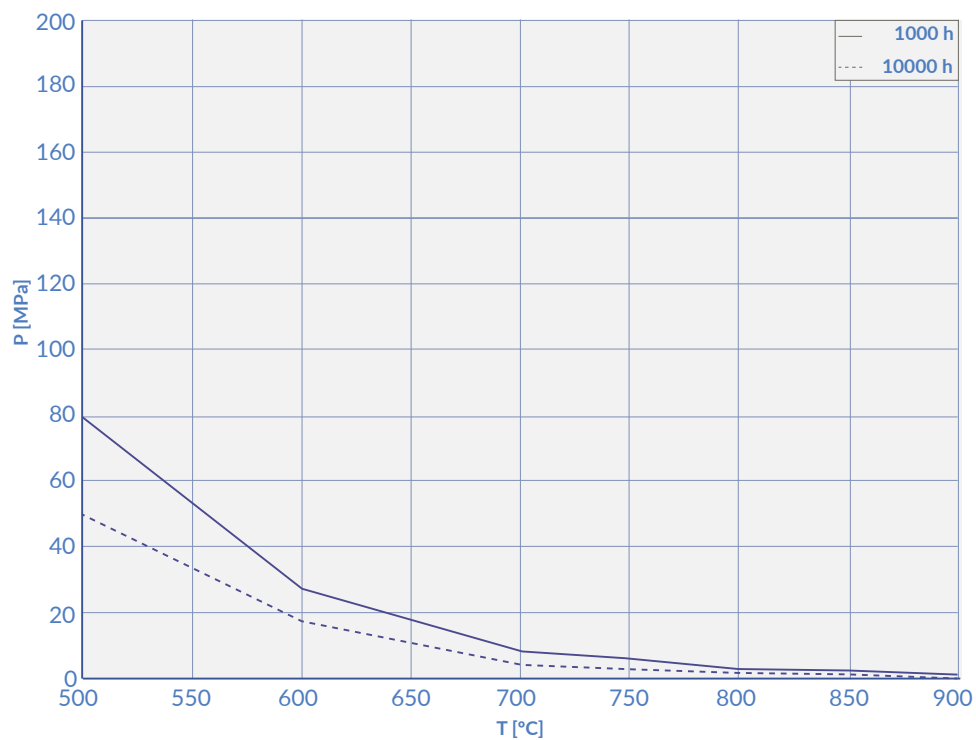
WELDABILITY

Heating up and electro welding (conditional)

Suitable welding filler materials: 1.4820; 1.4773; 1.4829. Preheating up to 200-300 °C is recommended.

TEMPERING DIAGRAM

Material: 1.4742+A; X10CrAl18



NOTE: All technical information is for reference only.