



## HEAT RESISTANT FERRITIC STEEL

| Wr.Nr. | PN | EN        | GOST     | AISI |
|--------|----|-----------|----------|------|
| 1.4724 | -  | X10CrAl13 | 10X13C10 | 405  |

## CHEMICAL COMPOSITION

Chemical composition (in weight %)

| Element | C    | Si   | Mn   | P    | S     | Cr    | Al   |
|---------|------|------|------|------|-------|-------|------|
| min     | max. | 0.70 | max. | max. | max.  | 12.00 | 0.70 |
| max     | 0.12 | 1.40 | 1.00 | 0.04 | 0.015 | 14.00 | 1.20 |

## APPLICATION

Rocker bars, rails, grates, thermocouple protection sheaths.

## TREATMENT

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

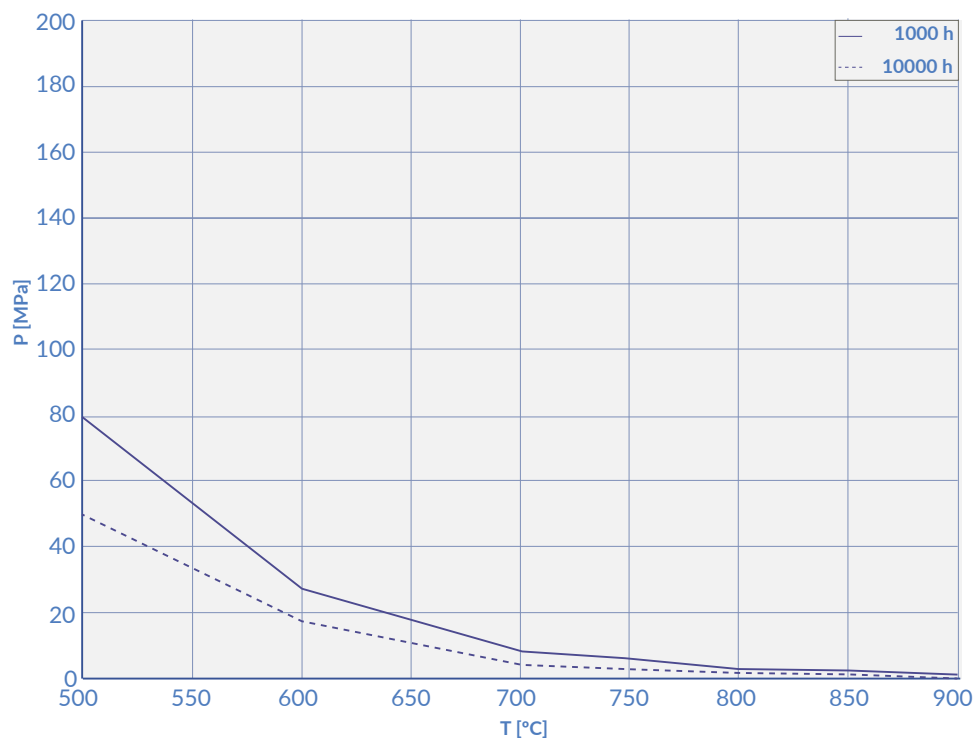
## WELDABILITY

Heating up and electro welding

Suitable welding filler materials: 1.4502; 1.4723; 1.4773; 1.4820; 1.4829. Preheating up to 200 - 300 °C is recommended.

## TEMPERING DIAGRAM

Material: 1.4724+A; X10CrAl13



**NOTE:** All technical information is for reference only.