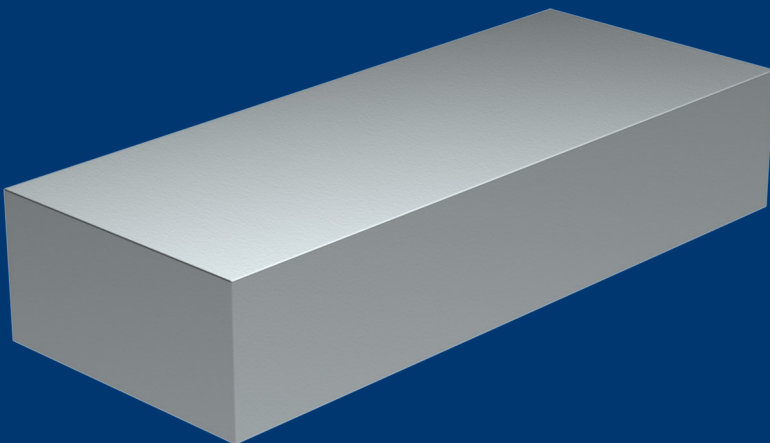


DATA SHEET

SIQUAL^{...}

7225



W.NR.: 1.7225 (EN ISO 4957)

EN / DIN: 42CrMo4

AISI: 4142

CHEMICAL COMPOSITION

C	Si	Mn	Cr	Mo	Ni
0.41	0.20	0.75	1.05	0.23	-

DELIVERY CONDITION

quenched and tempered at 750-1300 N/mm² depending on the diameter of the bar

- ≤ Ø16mm 1100-1300 N/mm²
- ≥ Ø17≤40 mm 1000-1200 N/mm²
- ≥ Ø41≤100 mm 900-1100 N/mm²
- ≥ Ø101≤160 mm 800-950 N/mm²
- ≥ Ø161≤250mm 750-900 N/mm²

PROCESS

conventional

HEAT TREATMENT

soft annealing	cooling	hardness (HB)
680-720 °C	furnace	<241
hardening	quenching	hardness (HRC)
820-860 °C	oil, water	

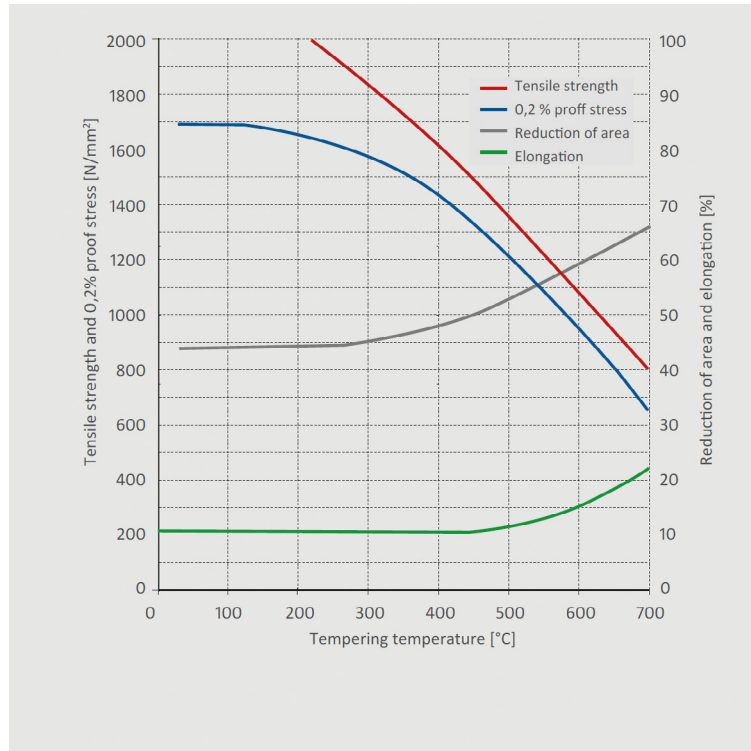
PROPERTIES

Cr, Mo and Mn low-alloy steel known for its good toughness and torsional strength. The steel has good machining properties.

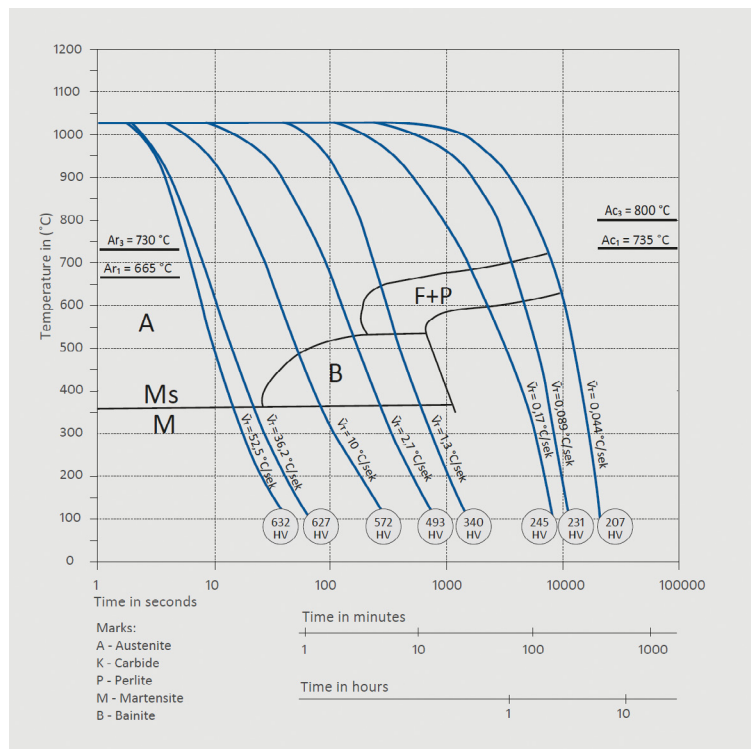
APPLICATION

Parts which require greater toughness in the automotive and aerospace industries, such as; drive shafts, axles, connecting rods, crankshafts, pins, bolts, etc.

TT



CCT



DISCLAIMER

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