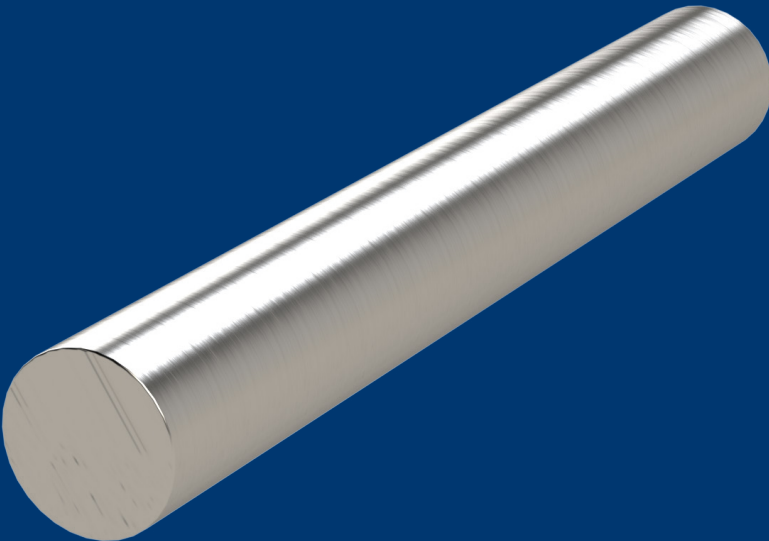


DATA SHEET

SIHARD^{...}

2767



W.NR.: 1.2767 (EN ISO 4957)

EN / DIN: X45NiCrMo16

AISI: /

CHEMICAL COMPOSITION

C	Si	Mn	Cr	Ni	Mo
0.45	0.25	0.30	1.35	4.00	0.25

ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

DELIVERY CONDITION

soft annealed with a hardness of <262 HB

PROCESS

conventional

HEAT TREATMENT

soft annealing	cooling	hardness (HB)
610-650 °C	furnace	<262
hardening	quenching	hardness (HRC)
840-870 °C	oil, air, warm bath 180-220 ° C	56

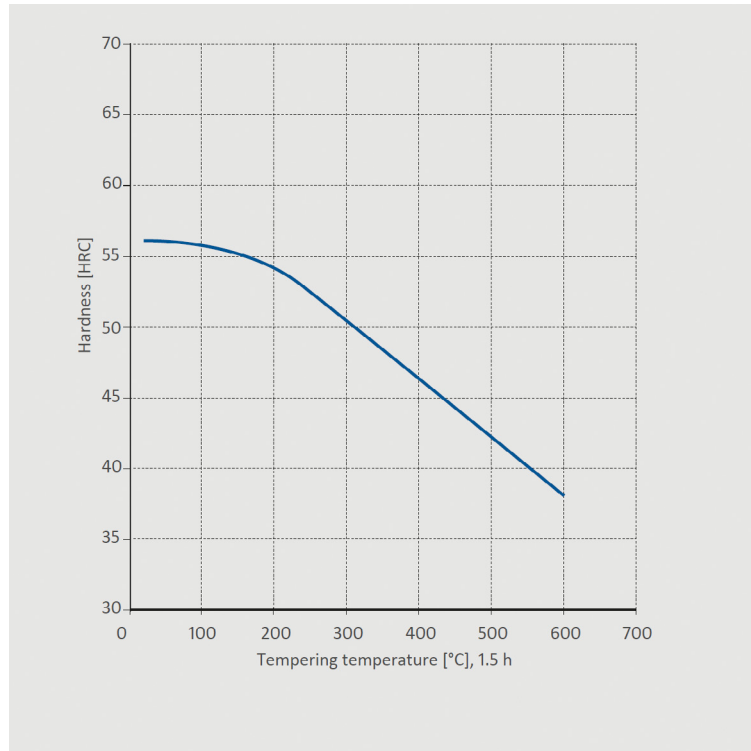
PROPERTIES

High hardenability and toughness due to the high Ni content. Good compressive strength. Due to its lower C and Cr content, this steel is suitable for polishing, texturing and EDM machining. Its wear resistance is lower than that of ledeburite steels.

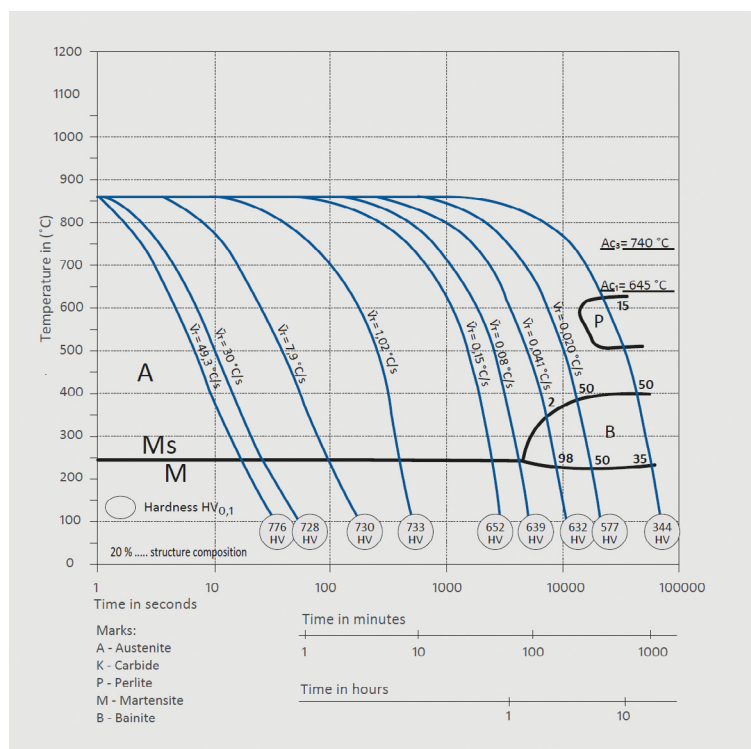
APPLICATION

Tool steel for cold and hot work applications. Due to its high impact and compressive strength, this steel is used for heavily burdened tools for cold stamping, punches for cutlery, billet-shear blades, drawing jaws. Also suitable for tools for the hot pressing of aluminium. Moulds for plastics. Its working hardness for compression and injection moulding is about 52 HRC. Its typical working hardness is between 50 and 54 HRC.

TT



CCT



DISCLAIMER

The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. Applications specifically suggested for material described herein are made solely for the purpose of illustration to enable the reader to make his own evaluation and are not intended as warranties, either express or implied, of fitness for these or other purposes. There is no representation that the recipient of this literature will receive updated editions as they become available.