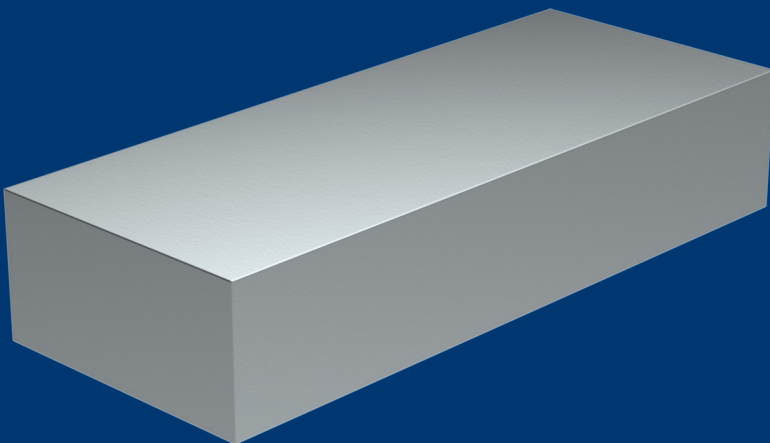


DATA SHEET

SIMOLD^{...}

2316R



W.NR.: 1.2316 ESR
EN / DIN: X38CrMo16
AISI: /

CHEMICAL COMPOSITION

C	Si	Mn	Cr	Mo	Ni
0.38	Max 1.00	Max 1.00	16.50	1.00	Max 1.00

ULTRASOUND EXAMINATION

EN 10228-3 art.2-4,
SEP1921 E/e

DELIVERY CONDITION

quenched and tempered at 280-325 HB

PROCESS

electro slag remelted - ESR

HEAT TREATMENT

soft annealing	cooling	hardness (HB)
750-850 °C	furnace	<280
hardening	quenching	hardness (HRC)
980-1050 °C	oil, N2 overpressure, air	49

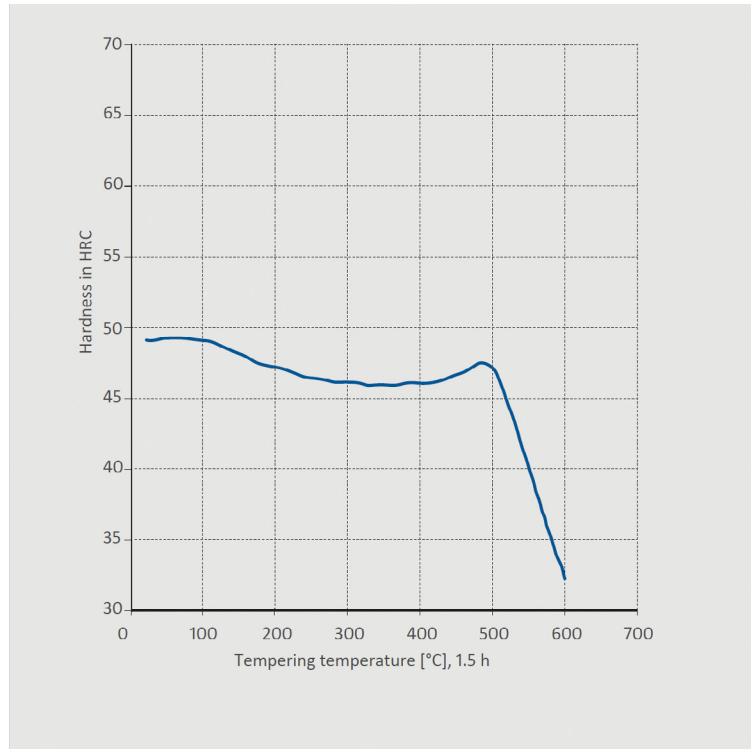
PROPERTIES

This is a tempered stainless martensitic steel with a high Cr content, which increases the corrosion resistance of steel. Increased corrosion resistance in comparison to SIMOLD 2083R. Steel has also good abrasion resistance. Very good polishing properties and good toughness. For the most demanding applications and large cross-sections.

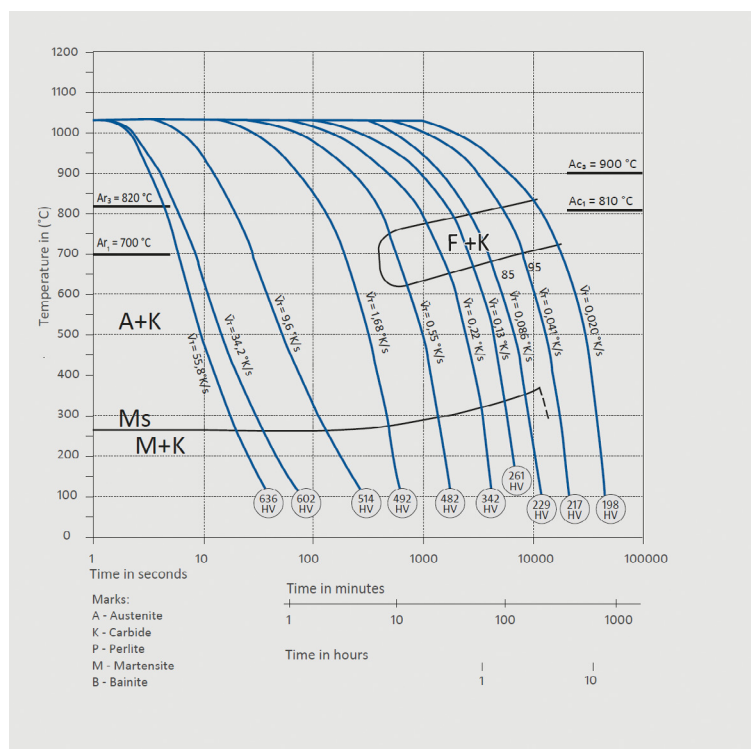
APPLICATION

Tools for corrosive plastics and polymers, for the food industry. It is often used in the compression of chemically-aggressive substances.

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.