

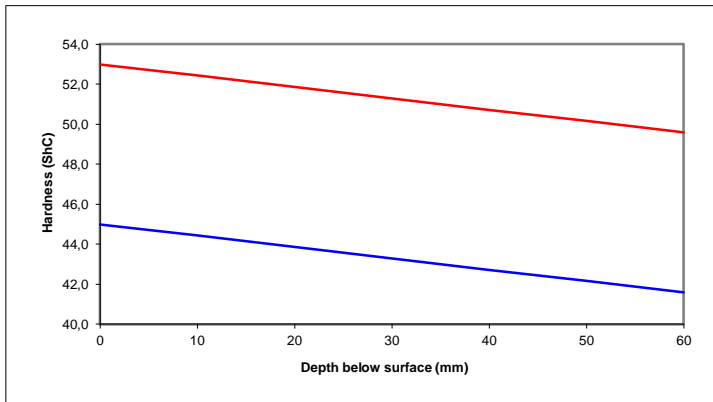
**A Cr-Ni-Mo alloyed steel with a pearlitic matrix.**

Depending on the chemical composition and heat treatment this material will have excellent wear and high mechanical properties with good fire crack resistance.

### Chemical Composition

	C	Mn	Si	P	S	Ni	Cr	Mo			
<b>Min</b>	0,50	0,30	0,20	0,000	0,000	0,00	0,70	0,00			
<b>Max</b>	1,40	1,40	1,00	0,100	0,100	1,80	2,20	0,50			

### Hardness Curve



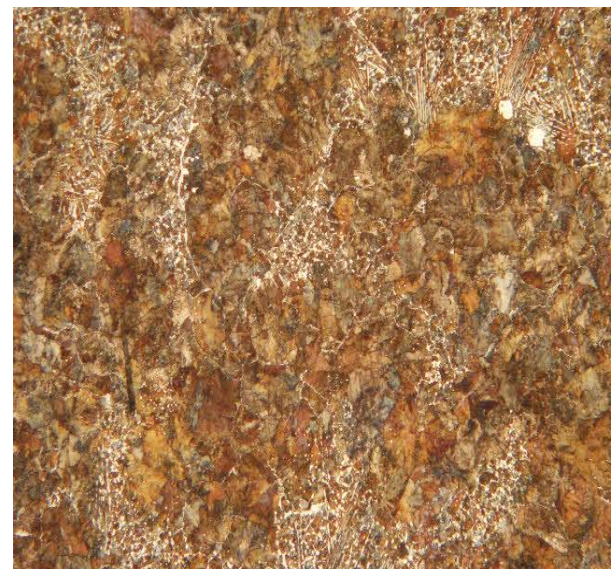
### Physical Properties

<b>Tensile Strength</b> <small>(tensile test rod B12x60 DIN 50125)</small>	400 to 950 MPa
<b>Bending Strength</b> <small>(Bending test 10 at DIN 50110)</small>	850 to 1250 MPa
<b>Impact strength</b> <small>(ISO-V Test piece, DIN 50115)</small>	1.5 to 8.0 J
<b>Percentage elongation</b> <small>(after fracture)</small>	< 1 %
<b>Alternating tensile - compression strength</b>	150 to 220 MPa

### Microstructure



**100 X**



**200 X**