

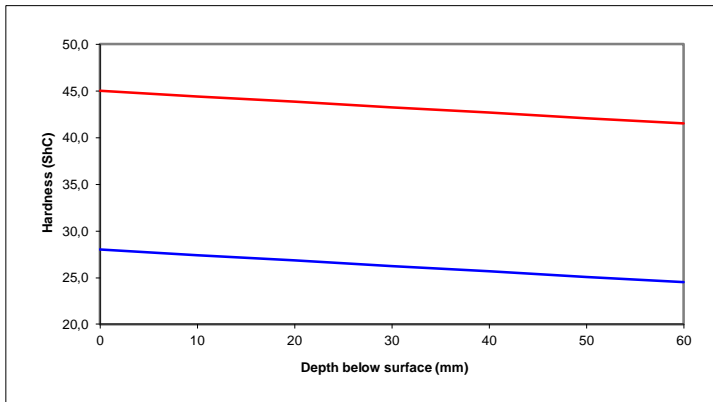
**A Cr-Mo Alloyed Steel with a pearlitic matrix heat treated to give a very tough thermal shock resistant structure.**

**This material is suitable for heavy duty applications.**

### Chemical Composition

	C	Mn	Si	P	S	Ni	Cr	Mo			
<b>Min</b>	0,50	0,60	0,40	0,000	0,000	0,00	0,60	0,00			
<b>Max</b>	1,40	1,20	1,00	0,100	0,100	0,80	1,10	0,40			

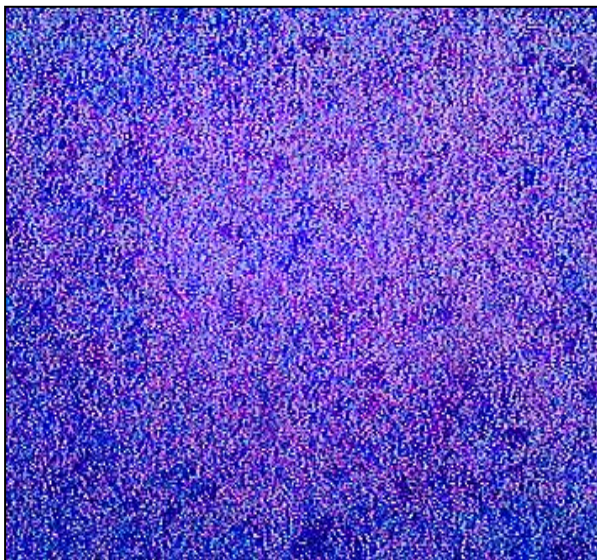
### Hardness Curve



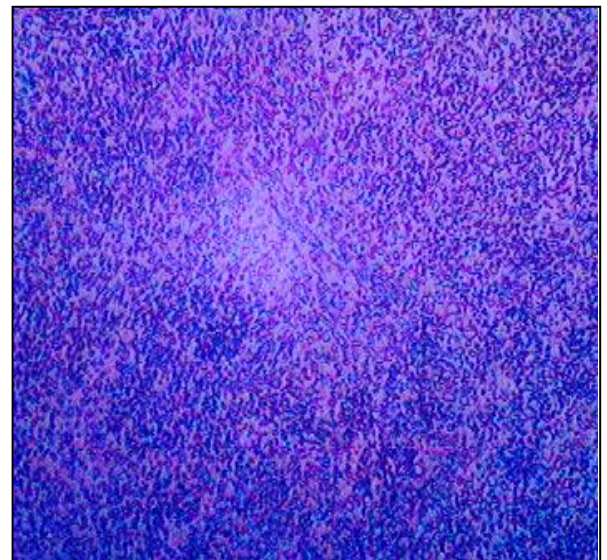
### Physical Properties

<b>Tensile Strength</b> <small>(tensile test rod B12x60 DIN 50125)</small>	550 to 950 MPa
<b>Bending Strength</b> <small>(Bending test 10 at DIN 50110)</small>	900 to 2000 MPa
<b>Impact strength</b> <small>(ISO-V Test piece, DIN 50115)</small>	2.5 to 8.0 J
<b>Percentage elongation</b> <small>(after fracture)</small>	< 3 %
<b>Alternating tensile - compression strength</b>	150 to 220 MPa

### Microstructure



**100 X - Spheroidised**



**200 X - Spheroidised**