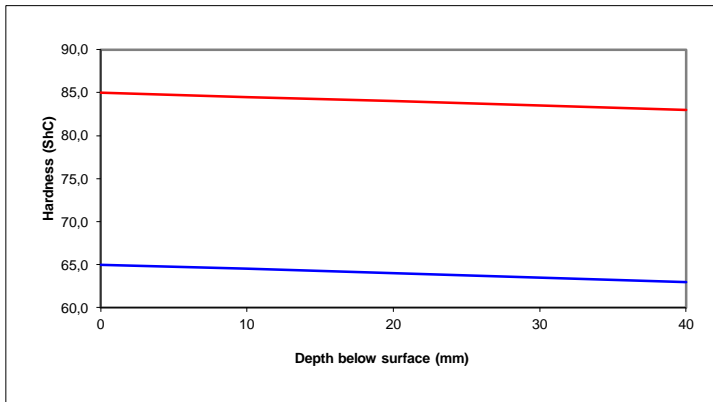


A High Chrome alloyed heat treated double poured cast iron with a high amount of eutectic Fe-Cr carbides. The structure gives a good abrasive wear resistance with good mechanical properties if combined with a suitable core material.

### Chemical Composition

	C	Mn	Si	P	S	Ni	Cr	Mo	V		
<b>Min</b>	2,50	0,50	0,20	0,000	0,000	1,00	10,50	0,40	0,00		
<b>Max</b>	3,10	1,50	1,00	0,050	0,050	2,00	19,00	3,60	0,50		

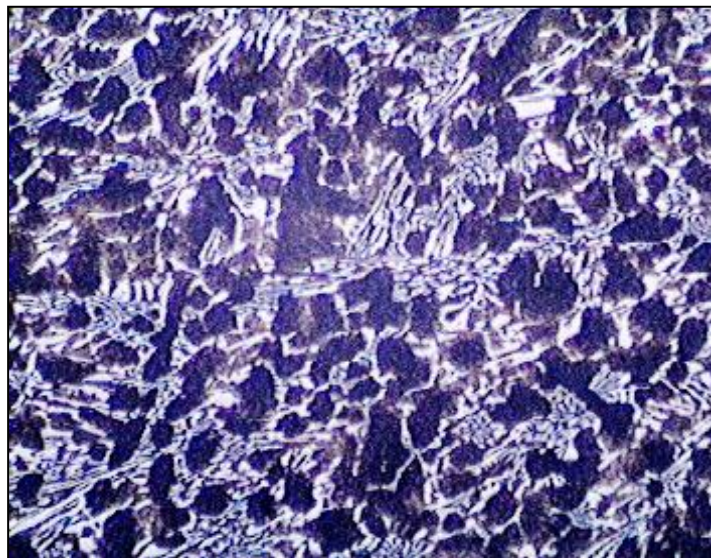
### Hardness Curve



### Physical Properties

Tensile Strength (tensile test rod B12x60 DIN 50125)	400 to 700 MPa
Bending Strength (Bending test 10 at DIN 50110)	800 to 1200 MPa
Impact strength (ISO-V Test piece, DIN 50115)	1.5 to 3.0 J
Percentage elongation (after fracture)	< 2 %
Alternating tensile - compression strength	-

### Microstructure



100 X - etched