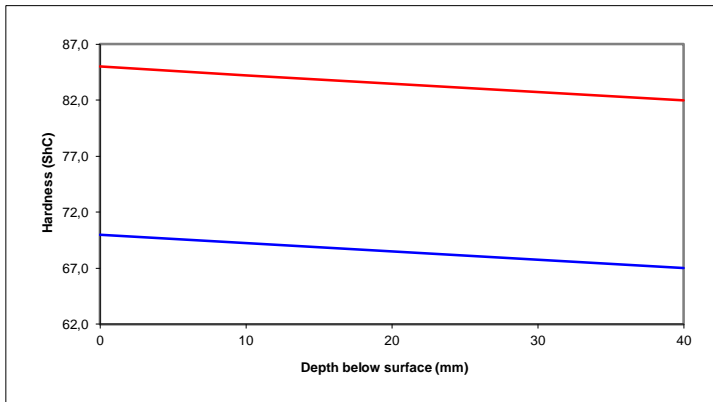


Centrifugal cast ICDP material for work rolls in the medium hardness range.
 This material has good fire crack resistance and wear properties.

Chemical Composition

	C	Mn	Si	P	S	Ni	Cr	Mo			
Min	2,80	0,20	0,50	0,000	0,000	3,10	0,80	0,00			
Max	3,80	1,30	1,20	0,100	0,100	5,00	2,00	0,70			

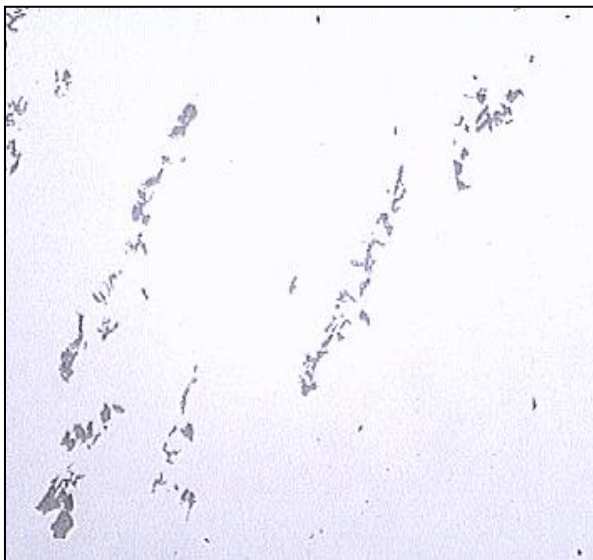
Hardness Curve



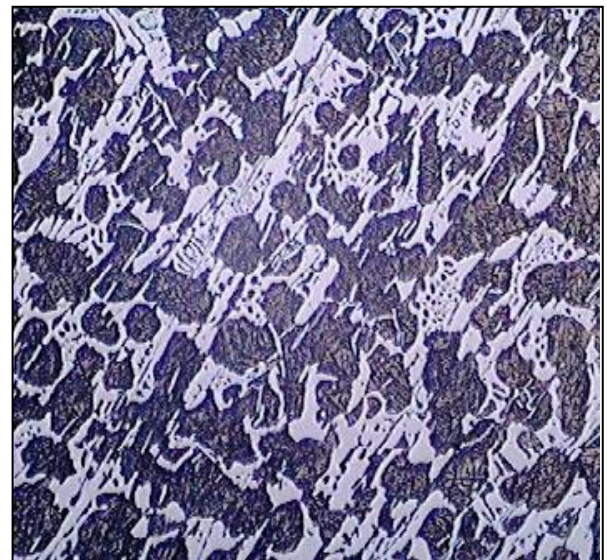
Physical Properties

Tensile Strength (tensile test rod B12x60 DIN 50125)	300 to 550 MPa
Bending Strength (Bending test 10 at DIN 50110)	400 to 600 MPa
Impact strength (ISO-V Test piece, DIN 50115)	~ 2.0 J
Percentage elongation (after fracture)	0 %
Alternating tensile - compression strength	30 to 80 MPa

Microstructure



50 X - Graphite unetched



100 X - etched