

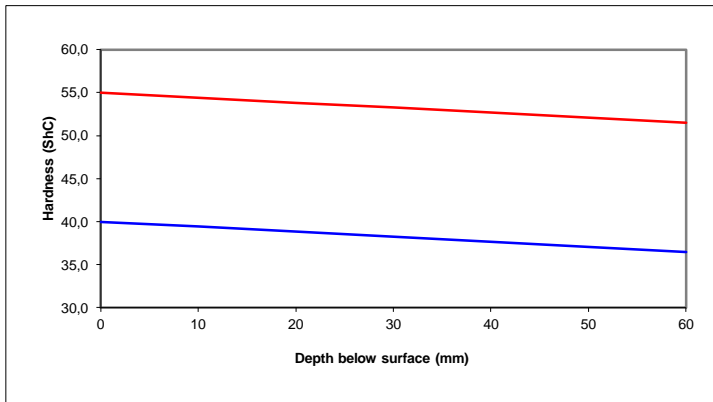
A Cr-Ni-Mo alloyed steel with free graphite in a pearlitic matrix resulting in a high resistance to thermal stress and good mechanical properties.

This material also reduces thrust collar wear.

Chemical Composition

	C	Mn	Si	P	S	Ni	Cr	Mo			
Min	1,00	0,60	1,00	0,000	0,000	0,00	0,50	0,00			
Max	2,40	1,40	1,90	0,100	0,100	1,10	1,20	0,60			

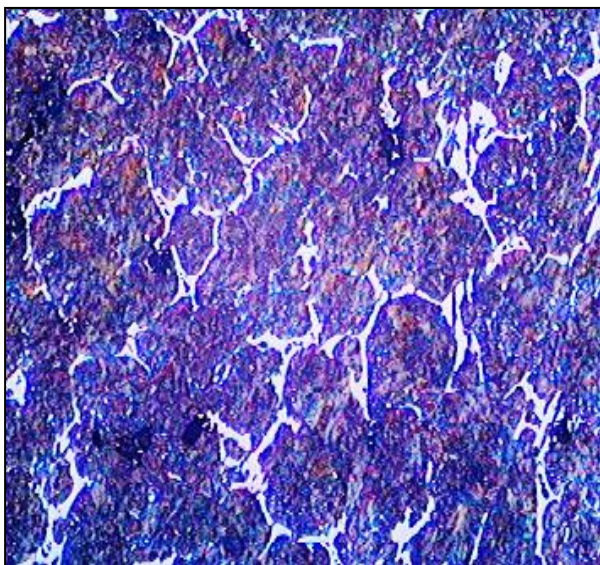
Hardness Curve



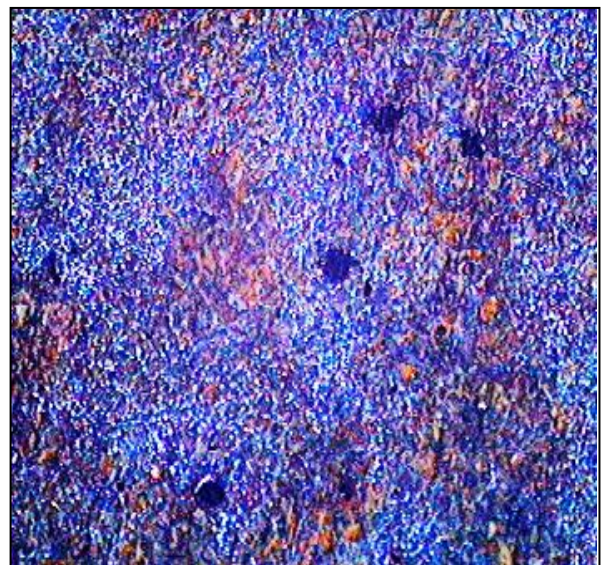
Physical Properties

Tensile Strength (tensile test rod B12x60 DIN 50125)	450 to 600 MPa
Bending Strength (Bending test 10 at DIN 50110)	700 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	100 to 170 MPa

Microstructure



100 X - Normalised



100 X - Quenched