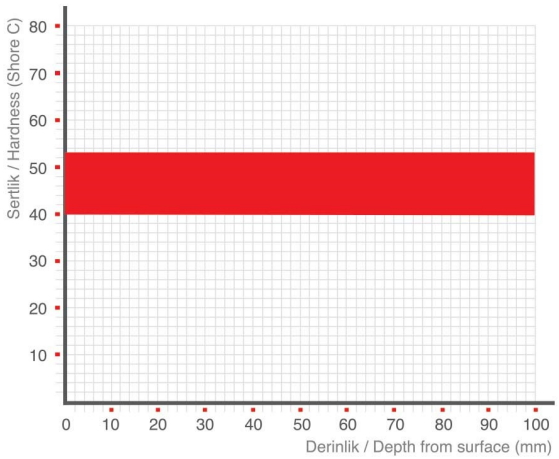
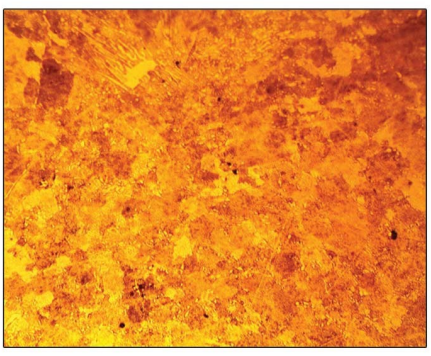
ARMITE OPTIMA

The carbide network that is observed in its structure in its cast state also decreases its breaking strength to a great extent, while increasing the wear strength of the roll. The spherical carbide within the grain is made to be precipitated and the suitable combination of wear strength and the breaking strength is being provided by getting into pieces this carbide network within the boundaries of the grain through heat treatments that are compliant to the variety of the alloy due to this reason. The most important property of these rolls is almost being constant of the hardness and the wear strength along the cross section of the body. ARMITE Optima is being proposed on rolls that are used for section rolling and on which deep calibers are opened.

HARDNESS RANGE (SHC)		C	Si	Mn	Cr	Ni	Mo	Cu	TENSILE STRENGTH (N/mm2)	BENDING STRENGTH (N/mm2)
38	43	1,5-2,2	0,3-0,8	0,5-1,5	0,5-1,2	0,5-1,2	0,2-0,5	-	500-700	750-1100
43	48	1,5-2,2	0,3-0,8	0,5-1,5	0,5-1,2	0,5-1,2	0,2-0,5	-	500-700	750-1100
48	54	1,5-2,2	0,3-0,8	0,5-1,5	0,5-1,2	0,5-1,2	0,2-0,5	-	500-700	750-1100





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