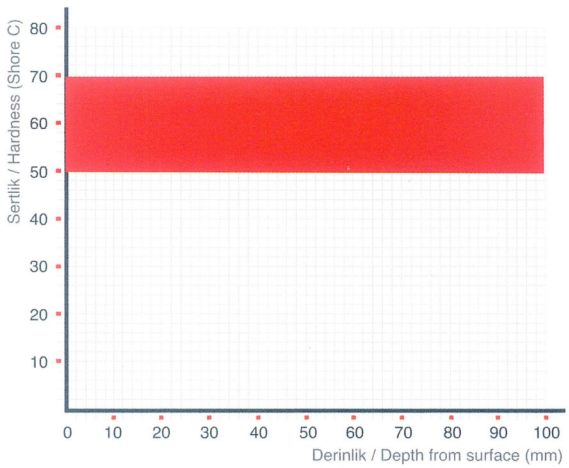
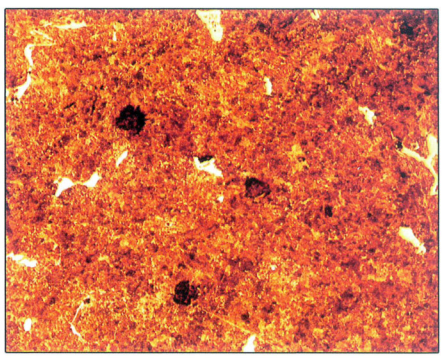
ARMITE GT

A part of the carbon are made to form nuclei as graphite particles in lieu of carbide as a result of the alloy modification and by being subjected of the molten metal to special processes even though it takes place in the adamite group as alloy as being different. Cast irons with spherical graphite may be classified among the above the eutectoid steels. The strength against the thermal cracks increases with the increase in thermal conductivity as a result of being present of graphite within the structure. The wear on the caliber side walls is less due to the property of graphite on decreasing the coefficient of friction, while the hardness and the wear resistance do not change along the cross section of the body.

HARDNESS RANGE (SHC)		C	Si	Mn	Cr	Ni	Mo	Cu	TENSILE STRENGTH (N/mm2)	BENDING STRENGTH (N/mm2)
47	53	1,7-2,2	1,2-1,7	1,2-1,6	1,3-2,0	1,2-2,5	0,3-0,6	-	500-750	900-1300
48	54	1,7-2,2	1,2-1,7	1,2-1,6	1,3-2,0	1,2-2,5	0,3-0,6	-	500-750	900-1300
53	59	1,7-2,2	1,2-1,7	1,2-1,6	1,3-2,0	1,2-2,5	0,3-0,6	-	500-750	900-1300
65	71	1,7-2,2	1,2-1,7	1,2-1,6	1,3-2,0	1,2-2,5	0,3-0,6	-	500-750	900-1300





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