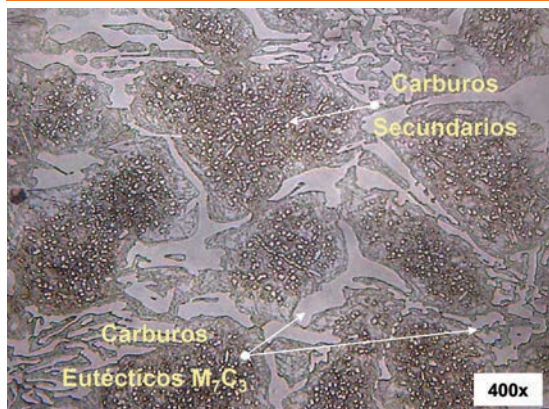


SCHCR

CHROME ALLOY IRON

CHARACTERISTICS



This material belongs to the family of the so-called "high chrome cast iron alloys," characterized by a high abrasive wear resistance in combination with an acceptable impact resistance.

Its microstructure is composed of complex M₇C₃-type carbides and fine discrete carbides of quasi globular morphology supported by a matrix of tempered martensite. Both the alloy as the various heat treatment cycles are especially designed to obtain hardness levels between the 550HB and 700HB depending on the type of application.

USES

Parts of sludge pumps (impellers, volutes, caps), ball and vertical mill liners. Power or discharge chute plates.

CHEMICAL COMPOSITION

Material	C	Si	Mn	Cr	Ni	Cu	Mo	P / S
SCHCR	2.5	0.40	1.50	14.0	1.0	1.0	2.0	0.06
	3.5	0.60	max.	25.0	max.	max.	max.	max.

SCHCR

CHROME ALLOY IRON

FINAL
PRODUCT

