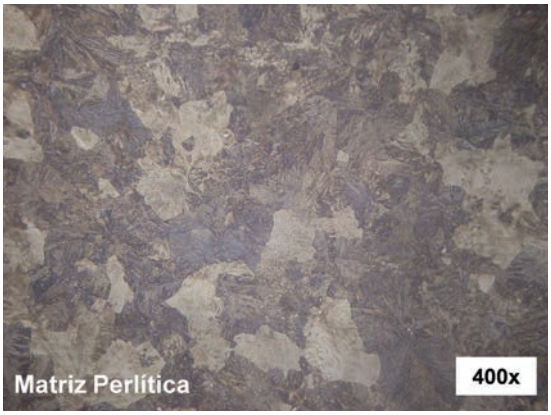
SCCRMO

CHROME MOLYBDENUM PEARLITIC STEEL



CHARACTERISTICS

It is a variety of steel, with decades of tradition and proven effectiveness, used in the manufacture of castings for the mining industry.
One of the most important applications of this steel is in the manufacture of a wide variety of parts composing the coating of SAG mills, which is one application where the parts are exposed to severe abrasive wear and impact requirements.

As its name implies, its microstructure is formed by a fine pearlitic matrix and also, depending on the meaning of alloy carbon, by fine secondary carbides with quasi-globular morphology and homogeneous distribution.

The heat treatment of Cr-Mo Pearlitic Steel parts constitutes a fundamental stage in the manufacturing process as it defines fundamental characteristics of the material such as toughness, hardness and level of residual stresses. Depending on the selected chemical composition and heat treatment cycle according to the type of application and / or customer's request, it is possible to obtain levels of hardness in the range of 250HB to 400HB.

USES

Coatings for SAG mills.
Chute channel parts.

CHEMICAL COMPOSITION

Material	C	Si	Mn	Cr	Mo	Ni	S / P
SCCRMO	0.40	0.30	0.40	2.00	0.20	0.20	0.040
	0.90	0.60	1.00	2.50	0.50	máx.	máx.

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CHROME MOLYBDENUM
PEARLITIC STEEL

FINAL
PRODUCT