

CARBOLON MA

DOMESTIC GRANULAR METALLURGICAL SILICON CARBIDE

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DESCRIPTION

CARBOLON MA is a domestically produced 90% typical silicon carbide grain, manufactured specifically for use in the iron and steel industry.

APPLICATIONS

CARBOLON MA is used in the foundry industry for the electric furnace production of gray, ductile or malleable iron, and steel. It is a prime source of silicon and carbon, and due to its powerful deoxidizing effect, CARBOLON MA imparts metallurgical benefits to the metal and enhances furnace lining life.

CARBOLON MA's low nitrogen and sulfur content make it ideal for producing all types of irons. It also has an inert content that yields slags with a melting point and consistency that allows efficient slag removal from the furnace.

CARBOLON MA can be effectively used in the production of steel as a solid fuel to replace hot metal or adjust temperature. It can also be used to reduce metal from metal oxides in slag, therefore improving recoveries of valuable elements such as manganese and chromium. CARBOLON MA does not cause clogging of caster nozzles as experienced with the use of other silicon carbides.

ANALYSIS

90%	Typical Silicon Carbide
5%	maximum Free Carbon
28 – 32%	total Carbon
0.15%	maximum Sulfur
0.10%	maximum Nitrogen
0.5%	maximum Moisture
8.0%	maximum Silicon Dioxide
1.0%	maximum Aluminum Oxide

SIZING

100%	passing through a 3/8 inch sieve
5.0%	maximum passing through a 100 mesh sieve

PACKAGING

25 pound bags
50 pound bags – 3,200 pounds per pallet (stretch wrapped)
3,000 pound super sack per pallet

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