

KARBOSIL 1 – 10 mm

METALURGICAL SiC 90%

DESCRIPTION

KARBOSIL is a resource for adding Si and C in molten iron. It is used in manufacturing of synthetic melt, where lower levels of sulphur and nitrogen are required.

OPERATION

KARBOSIL melts in the melt and increases the levels of Si and C in it.

INSTRUCTION FOR USE

KARBOSIL is used for adding Si and carbonizing the melt in induction furnaces. It enables production of quality synthetic melt from steel scraps.

Before the melting procedure, we sprinkle **KARBOSIL** together with input into the induction furnace. When calculating the necessary quantity of **KARBOSIL**, we have to count on around 95 percent efficiency of the product. Since the dissolution rate of carbon and iron depends on the proportion of silicon and phosphorus, we have to alloy it after melting. Dissolution rate is proportional to the temperature of iron.

PACKING

KARBOSIL is packed in big bags at around 1000 kg each.

STORING AND TRANSPORT

KARBOSIL must be protected against atmospheric influences during transport.

According to the European Agreement about transport of dangerous substances, **KARBOSIL** is not a dangerous substance.

PROPERTIES

SiC content	90,00 % min
Fe content	0,50 % min
Al content	1,00 % min
S content	0,10 % min
SiO ₂ content	3,00 % min
C content	3,00 % min
Moisture content	0,50 % min
% Si from SiC	50,00 %
% C from SiC	21,00 %
Granulation	0 – 1 mm, 1 - 10 mm