

# KARBURIT NG

## CARBURIZING AGENT FOR IRON ALLOYS

### DESCRIPTION

**KARBURIT NG** is a carburizing agent for iron alloys, where lower contents of nitrogen and sulphur are demanded.

### ACTION

**KARBURIT NG** is dissolved in iron and thus the carbon content is increased.

### INSTRUCTIONS FOR USE

**KARBURIT NG** is applied for carburization of melt in crucible induction furnaces or in ladles. It enables to manufacture quality synthetic cast from steel scrap and also to correct the composition of melt in the ladle.

Before melting, the needed amount of **KARBURIT NG**, is charged into the induction furnace together with the burden. In calculating the burden a 90 % yield of **KARBURIT NG** is taken. Since the dissolution rate of carbon in iron depends on contents of silicon and phosphorus, those two elements are alloyed only after the completed melting. Dissolution rate is proportional to the melt temperature.

### PACKING

**KARBURIT NG** is packed in big bags at net 1.000 kg each, or in natron bags at 25 kg each, on wooden pallets, covered with PVC foil (1000 kg on pallet).

### STORING AND TRANSPORT

**KARBURIT NG** must be protected against atmospheric precipitation's in transport and storing.

According to the European regulations for international road transport of dangerous goods, **KARBURIT NG** is not a dangerous substance.

### PROPERTIES

Carbon content:	min.	96,00 %
Sulphur content:	max.	0,20 %
Nitrogen content:	max.	0,20 %
Ash content:	max.	3,00 %
Moisture content:	max.	0,50 %
Volatile matter:	max.	1,00 %
Granulation:		1 - 6 mm, 1 - 10 mm