

FERRO SILICON BASED INOCULANT

In Percent

GRADE	Si	Ca	Al	Size
Inoculant	70 - 75	0.60 - 1.5	0.60 - 1.5	6 - 12 mm
				2 - 6 mm
				2 - 4 mm
				0.5 - 2 mm
				0.2 - 0.7 mm

Note : Other sizes may also be produced as per request

These inoculants are made by chemical mixing by adding calcium and aluminium into molten Ferro Silicon.

Because of controlled chemistry the effect of inoculation of flake graphite irons are:

- to reduce chill and promote graphite
- to reduce fine graphite and associated ferrite,
- to promote uniform structures
- to obtain a small increase in strength.

In ductile irons the principal effects are:

- to reduce chill,
- to provide general improvement in properties and
- to encourage formation of well shaped nodules.

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The information given in this data sheet is based upon our current knowledge and is intended to provide general notes about our products and their uses. It should not be construed, therefore, as guaranteeing specific properties of the products described or their suitability for a particular application, nor as providing complete instructions for use.

