



INTRODUCTION

Consteel CARC series recarburizer is made of high-quality carbon material and selected metallic alloy with additive including superior binder and expansion agent, which is widely used in the application where require recarburization with following features:

- Easily penetrate the surface slag layer due to appropriate gravity design, which lead to carbon element recovery rate higher than 90% in many cases;
- Alloying can be achieved simultaneously due to alloy metal is added into the recarburizer;
- Optimized binder can purify the steel by absorbing the inclusions while has no contamination impacts on steel purity by itself;
- Optimized expansion activator can effectively drive the spreadability of recarburizer into molten steel to increase the melting efficiency and further reduce the smelting cost;



COMPOSITION&PROPERTY

Part number	Chemical Composition(wt%)			Granularity (mm)	Ash content(%)	Volatility(%)	Application	Dosage ratio(%)	Pattern
	FC	S	H ₂ O						
CARC A95	> 95	< 0.25	< 0.3	0.5~15	< 4.5	< 1.2	Stainless steel& alloy steel&carbon steel	1~3	Anthracite
CARC A94	> 94	< 0.25	< 0.3	0.5~15	< 5	< 1.2		1~3	Anthracite
CARC A93	> 93	< 0.30	< 0.5	0.5~15	< 6	< 1.2		1~3	Anthracite
CARC A92	> 92	< 0.30	< 0.5	0.5~15	< 7	< 1.2		1~3	Anthracite
CARC A90	> 90	< 0.35	< 0.5	0.5~15	< 8.5	< 1.5		1~3	Anthracite
CARC C99	> 98.5	< 0.5	< 0.3	0.5~10	< 0.5	< 0.5		1~5	Calcined petroleum coke
CARC C98	> 98	2.5~4.0	< 1.0	0.5~10	< 1.0	< 1.0		1~5	Calcined petroleum coke
CARC N98	> 98	< 0.1	< 1.0	1~5	< 3	< 1.5		1~2	Natural graphite
CARC N96	> 96	< 0.1	< 1.0	1~5	< 5	< 1.5		1~2	Natural graphite
CARC S99	> 99	< 0.05	< 0.5	1~5	< 0.5	< 0.5		1~2	Synthetic graphite
CARC S98	> 98	< 0.05	< 0.5	1~5	< 1	< 1	1~2	Synthetic graphite	
CARC S96	> 96	< 0.05	< 0.5	1~5	< 3	< 1	1~2	Synthetic graphite	

Note:
The above parameters are for customers' reference only, Consteel engineers will formulate the content of CARC recarburizer according to the specific metallurgical features of our customer, which guarantee the optimal processing efficacy. And the granularity can be tailored according to the requirement of customers.

HOW TO SELECT THE RIGHT ONE



This metallurgical additive is special art involves around experience and science, which means the more cases we have and the deeper analysis we reach will guarantee the high odds we can provide you with satisfactory formulation and granularity to meet your steel mills requirement. This is so called "tailored design", in order to enable our engineer to provide you with the state of art design to fuel your optimal steel-making, please fill out the questionnaire correspondingly.