

SUPERIOR  GRAPHITE


DESULCO[®]



Desulco®: The Purest Form Carbon Additive on the Market

Desulco® (**desulphurized coke**) was developed for the demanding needs of the ferrous metals industry for a consistent recarburizer. Utilizing a proprietary, high temperature technology, Superior Graphite consistently produces premium-graphitized carbons with purity levels of +99.9% carbon.

Desulco® contains no dust, low ash and consistently low gas levels. The result is rapid absorption, maximum carbon recovery and minimal addition to the melt saving time and money lost due to scrap. Desulco® is the most cost effective carbon additive available.

When you want quality and cost effectiveness, Desulco® is the **Superior Solution**.

When Choosing a Carbon Raiser Choose Desulco® First!

Metallurgical Benefits – Desulco® provides the greatest nucleating effect which increases nodule count, improves nodularity, reduces under-cooling and chill, for improved mechanical properties.

Carbon Purity – The thermal purification technology used to make Desulco® offers high purity, more carbon units and less slag.

Sulfur Content – Desulco® has low sulfur which reduces ductile treatment costs and pig iron usage.

Gas Contents – Desulco® consistently contains low Nitrogen, Hydrogen and Oxygen levels that prevents porosity formation and the production of unwanted compounds.

Proper Sizing for Application – Desulco® is correctly sized to assure faster dissolution, higher carbon recovery, and lower fines.

Dissolution Rate – Desulco® provides rapid dissolution that leads to increased efficiency, higher productivity, and lower operational costs.

Carbon Recovery – Desulco® maximizes material utilization with high carbon recovery rates saving production time and money.

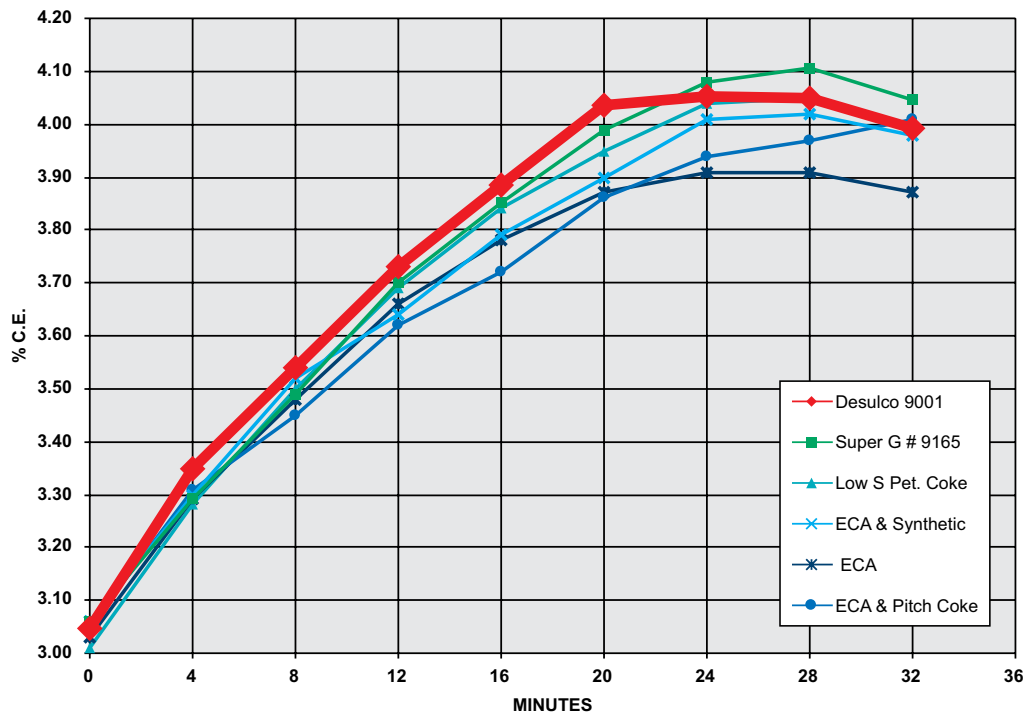
Ash Content – Desulco® has lower ash leading to faster dissolution times, less slag formation resulting in lower furnace maintenance costs and a cleaner alloy.

Moisture Content – Desulco® reduces spatter or popping of molten alloy from the furnace and less noxious fumes due to low moisture and volatile levels.



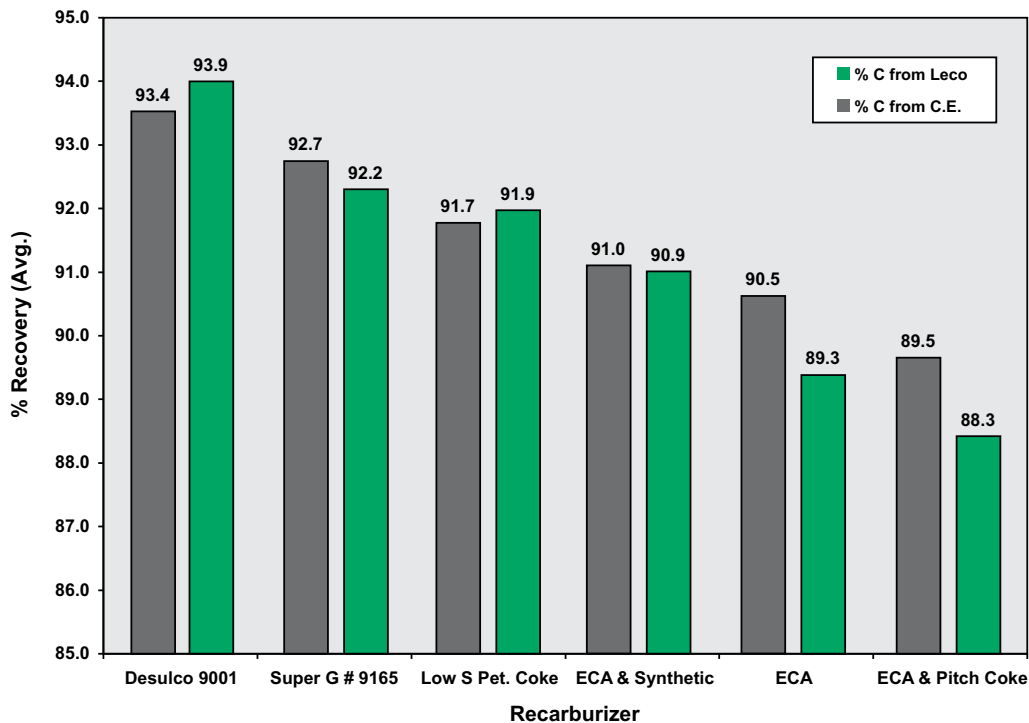
Desulco® is the Clear Choice for a Consistent and Dependable Carbon Additive!

Increase in Carbon Equivalent vs. Solution Time for Various Carbon Raisers




Desulco® offers the quickest dissolution rates.


Carbon Recovery at 20 Minutes





Desulco® offers the highest carbon recovery.


Available Desulco® Products

Desulco® 9001		
	Specification	
Carbon	99.7% Min	
Sulfur	0.03% Max	
Ash (LOI)	0.30% Max	
Moisture	0.20% Max	
Particle Size	95% -3/8" Tyler mesh 5% +65 Tyler mesh (9.50mm – 212µm)	

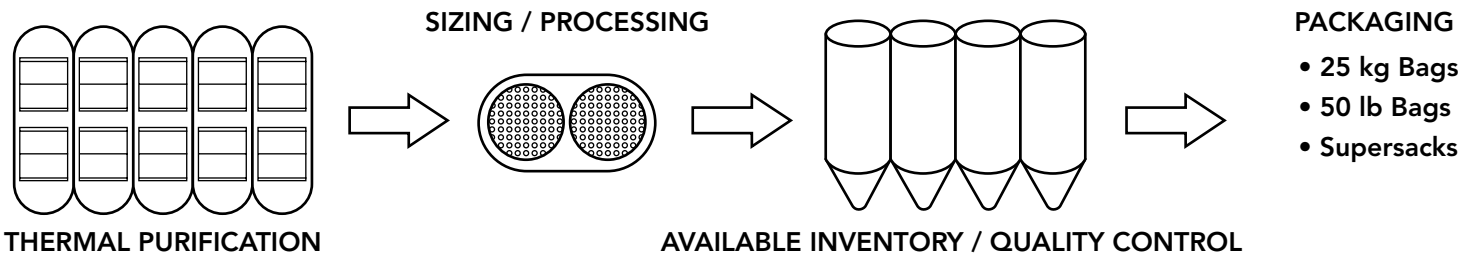
Desulco® 9005		
	Specification	
Carbon	99.7% Min	
Sulfur	0.03% Max	
Ash (LOI)	0.30% Max	
Moisture	0.20% Max	
Particle Size	95% -3/8" Tyler mesh 5% +12 Tyler mesh (9.50mm – 1.4mm)	

Desulco® 9010		
	Specification	
Carbon	99.7% Min	
Sulfur	0.03% Max	
Ash (LOI)	0.30% Max	
Moisture	0.20% Max	
Particle Size	95% -4 Tyler mesh 5% +65 Tyler mesh (4.75mm – 212µm)	

Desulco® 9012		
	Specification	
Carbon	99.7% Min	
Sulfur	0.03% Max	
Ash (LOI)	0.30% Max	
Moisture	0.20% Max	
Particle Size	95% -6 Tyler mesh 5% +28 Tyler mesh (3.35mm – 600µm)	

Desulco® 9018		
	Specification	
Carbon	99.7% Min	
Sulfur	0.03% Max	
Ash (LOI)	0.30% Max	
Moisture	0.20% Max	
Particle Size	95% -20 Tyler mesh 5% +80 Tyler mesh (850µm – 150µm)	

Process Flow



SUPERIOR  GRAPHITE

Superior Graphite specializes in thermal purification, advanced sizing, blending, and coating technologies, providing value added graphite and carbon-based solutions globally.

Combining 90 years of experience and advanced technologies into every facet of the organization, a wide range of markets are served such as; agriculture, battery/fuel cells, ceramic armor, carbon parts, ferrous/nonferrous metallurgy, friction management, hot metal forming, polymer/composites, powder metals, lubricity, and performance drilling additives.

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