

ULTRACORE[®] BRAND CALCIUM SILICON

Calcium Silicon alloy is widely used to improve the quality, castability and machinability of steel.

Calcium is a powerful modifier of oxides and sulfides. It transforms alumina inclusions into complex Calcium aluminate compounds, improving the castability of the steel in a continuous casting process, avoiding deposits of solid inclusions inside tundish nozzles, preventing clogging. Calcium also improves the machinability of steel, increasing the life of cutting tools.

CHEMICAL COMPOSITION:

Element	Guaranteed Range	Typical Analysis
Ca (%)	29.0-33.0	30.0
Si (%)	59.0-63.0	60.0
Al (%)	< 1.0	0.8
C (%)	< 0.6	0.5

SIZING:

We offer lump and powder Calcium Silicon in a wide range of sizes. Some typical sizes are:

Application	Sizes (in/#)	Sizes (mm)
Lump Addition	¼ x 3	5 x 80
	¼ x #50	5 x 0.3
Powder for Injection	#8 x #40	2.4 x 0.42
	# 100 x # 325	0.15 x 0.045
	# 40 x # 325	0.42 x 0.045
Powder for Cored Wire Making	# 12 x # 325	1.7 x 0.045

PACKAGING:

Packing Type	Net weight per packing (Kg)
Paper Bag	40 (*)
Big Bag	1000,1200,1500
Metal Drum	From 250 to 400

Other packaging options are available upon request. Bags and drums are packed on wooden pallets and plastic shrink wrapped. (*) Total net weight per pallet: 1000 Kg.

QUALITY:

Calcium Silicon is produced under Quality Controlled conditions in our Mendoza Manufacturing Plant, certified to ISO9000/2000.

MATERIAL SAFETY DATA SHEET:

Available to Globe customers. Please ask your sales representative.

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