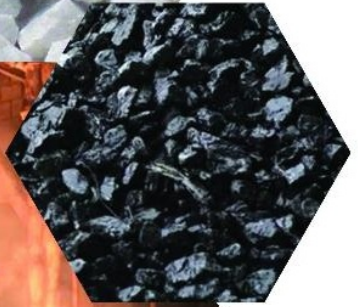
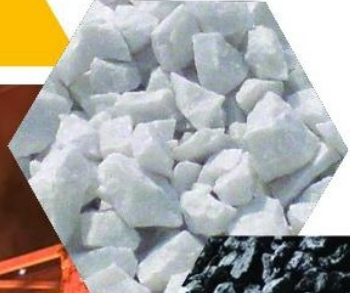




ELITES TRADES

SMART AND SAFE SUPPLY

Since 1947





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Our Story :

After more than two decades of knowledge-based entrepreneurship, Araz Silicon Industries Campus Company was established in September 28, 2019 by a group of elites of the country's scientific Olympiads and domestic specialists with the vision to create complete chain of silicon industry from initial product, that is, silicon to production downstream products. Right now, the first stage of the company's road map, that is, silicon production factory is being constructed in Khoy Industrial Park located at West Azerbaijan Province in Phase 3 with a nominal capacity of 50,000 tones.

Right now, this factory is being operated with capacity of 15,000 tones.





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Six production lines

Employment

1,200 direct jobs

5,000 indirect jobs

Annual production

15,000 tons NanoSilica

Grades

#2202, #3303, #411,

#421, #441, #521, #553

Annual production

50,000 tons SiliconMetal

Area

More than 171,000 m²





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Dedicated Materials Testing Laboratory

- ✓ Atomic absorption device (AAS)
- ✓ Carbon-sulfur analyzer device
- ✓ Spectrophotometry device
- ✓ 1300°C electric furnace
- ✓ 1100°C electric furnace
- ✓ XPS Jaw Crushers
- ✓ Hot plate machine
- ✓ Lab Scale 0.1 mg
- ✓ laboratory oven
- ✓ Micronizer
- ✓



Updated Equipment



Silicon Metal Specification

Title	Si ¹	Fe ²	Al ³	Ca ⁴
Si #2202	99.5	0.2	0.2	0.02
Si #3303	99.3	0.3	0.3	0.03
Si #411	99.3	0.4	0.1	0.1
Si #421	99.2	0.4	0.2	0.1
Si #441	99	0.4	0.4	0.1
Si #521	98.7	0.5	0.2	0.1
Si #553	98.5	0.5	0.5	0.3

Note: 1- Si: Silicon 3- Al: Aluminium
 2- FE: Ferro 4- Ca: Calcium




Size : 10 - 100 mm

Packing : 1 Mton



TEST Report

210011	Elites Trades		
Report date: 08/01/2024	Material laboratory		
PR Date: 01/10/1402	code : FO-LB-02	Rev No. : 01	

Declaration sheet of atomic absorption (AAS)

Respectfully, the results of the sent sample test are announced as des

Sample No.: 210011 Grade : # 553 A

Table of elements (weight percentage)

Title	Unit	Amount	Title	Unit
Fe	%	0.53	C	%
Al	%	0.39	P	%
Ca	%	0.11	-	%
Ti	%	0.12	-	%

The date of the test :


- * The results are only for the samples received and depending sampling, it is possible to change it.
- * Due to the lack of recognition of the electronic capacity of the type of constituent compounds in the sample by the atomic s have been declared in elemental form.
- * The test results are valid according to the calibration of the e standard sample, accurate and with the allowed tolerance.

Michael Aalinejad
Laboratory Manager

Ali M
Factor



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 Site : WWW.SILICON.ELITESTRADES.COM
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 Tell : +447467183670

209284	Elites Trades		
Report date: 09/01/2024	Material laboratory		
PR Date: 28/09/1402	code : FO-LB-02	Rev No. : 01	

Declaration sheet of atomic absorption test results (AAS)

Respectfully, the results of the sent sample test are announced as described in the table below.

Sample No.: 209284 Grade : # 441 Weight : 5,000 kg

Table of elements (weight percentage)

Title	Unit	Amount	Title	Unit	Amount
Fe	%	0.38	C	%	-
Al	%	0.24	P	%	-
Ca	%	0.05	-	%	-
Ti	%	0.15	-	%	-

The date of the test :

- * The results are only for the samples received and depending on the place and method of sampling, it is possible to change it.
- * Due to the lack of recognition of the electronic capacity of the existing elements and the type of constituent compounds in the sample by the atomic absorption device, the values have been declared in elemental form.
- * The test results are valid according to the calibration of the equipment, using the standard sample, accurate and with the allowed tolerance.

Michael Aalinejad
Laboratory Manager

Ali Morovati
Factory Manager

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#1101 #2202 #3303 #411 #421 #441 #553



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Applications of SILICON METAL:

ALUMINUM 1



The largest single use of silicon metal is as an alloy material in various grades of aluminum, primarily aluminum used for performance applications such as automotive components and aerospace products.



Applications of SILICON METAL:

2 SILICONES:



Silicon is also used as the base material for silicone chemicals, products that are ubiquitous in their use.

Silicone products (silicone rubber, seals, caulking and sealants, lubricants, food additives, adhesives, coatings, polishes and cosmetics,...) is diversified across a broad range of industries and consumer products.





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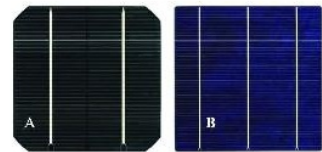
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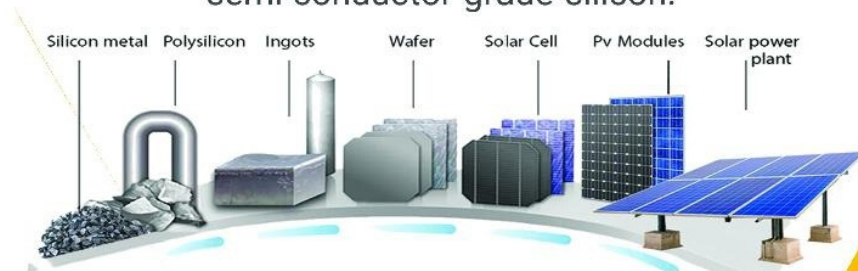
Applications of SILICON METAL:

POLY SILICON 3



Polycrystalline silicon, or multicrystalline silicon, also called polysilicon, poly-Si, or mc-Si, is a high purity, polycrystalline form of silicon, used as a raw material by the solar photovoltaic and electronics industry.

A high-profile use for silicon metal is in the production of polycrystalline silicon (polysilicon). Polysilicon is the base material for solar cells and semi-conductor grade silicon.





Our Silicon Industry Chain Roadmap

