

Falat.Co



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CPC

about us

Falat.co, your trusted supplier of met coke in all sizes. With an unwavering commitment to quality, we pride ourselves on supplying unique, high-grade met coke that meets the stringent demands of the steelmaking and ferroalloy industries.

Located in Kerman, Iran, we are dedicated to supporting the region's leading steelmaking and ferroalloy manufacturers. Our comprehensive range of met coke products ensures that we can cater to various needs, delivering consistent and reliable performance every time.

At Falat.co our focus on excellence and customer satisfaction sets us apart. We strive to build long-term partnerships by offering competitive pricing, timely deliveries, and exceptional service. Join us in powering the future of steel manufacturing.

CPC (Calcinated Pet-Coke) is the result of a calcination process on raw coke at high temperatures. After crushing and screening operations, it is available in various grain sizes and is used as injection coke in electric arc furnaces.

Parameter	Unit	Value
Ash	%	3 ± 0.5
C		95 ± 1
V.M		1.5 ± 0.5
M		0.5
S		0.7
Size	mm	$0.2 - 1$ $1 - 3$ $1 - 5$



Coke

The coke supplied by our company is the result of a combination of high-quality Australian coal and coal extracted from the Zarand mines in Kerman. It has a low sulfur content and a carbon content of over 80%. Additionally, the sizing process is carried out by our company's advanced mechanized equipment, resulting in a product with extremely high precision within the desired sizing range

Parameter	Unit	Value
Moisture	%	3-5
Ash		14-16
Volatile Matter		1-2
Sulfur		1.3-1.5
Fixed Carbon		80-83
CSR		42-45
CRI		35-37
Cal.Value		Kcal/Kg
Size	mm	1-3
		3-5
		0-5
		5-15
		15-25
		15-40
		30-60
		25-80
		60-140

Ferroalloys

As Falat Kohan Company is currently one of the main suppliers of raw materials for the country's ferroalloy industries and continuously supplies manganese ore, silicon ore, coke, etc., to ferroalloy production plants, the company is also ready to sell ferroalloy products at very competitive prices and high quality.

Ferro-Silicon	Size	S	P	Si	Al	C
	10-60	≤0.04	≤0.04	≥72	≤2	≤0.2
Ferro-Silicomanganese 60	Size	S	P	Si	Mn	C
	10-60	≤0.04	≤0.3	14	60	2.5
Ferro-Silicomanganese 65	Size	S	P	Si	Mn	C
	10-60	≤0.04	≤0.3	15	65	2
HC Ferro-Manganese	Size	S	Cu	Si	Mo	C
	10-60	0.1	≤0.5	1.5	60 - 65	0.1
Ferro-Molybdenum	Size	S	P	Mn	C	
	10-60	≤0.1	≤0.25	≥75	6 - 8	



Mineral Ores

Enhance your steel production with our supply of high-quality manganese, fluorite, silicon, and limestone ore from Iran. These essential raw materials play a crucial role in refining and alloying, ensuring superior strength and durability in steelmaking. Partner with us for reliable access to the resources that drive efficiency and quality in your steel manufacturing process.

Fluorite	Size	MgO	SiO ₂	H ₂ O	S	P	CaF ₂	CaO
	10 – 60	≤10	≤5	≤5	≤0.5	≤0.02	≥70	≤10
Manganese	Size	Density	K ₂ O+Na ₂ O	Total Fe	S	P	SiO ₂	Mn
	10-25	2,030	<1	10	<0.02	<0.1	<26.5	>23
Dolomite	Size	MgO		CaO		LOI		
	10 – 30	>19.5		>31.5		<43.5		
Calcinated Dolomite	Size	MgO		CaO		LOI		
	10 - 30	>29		>50		<5		
Limestone	Size	MgO		CaO		LOI		
	10 - 30	<0.5		>54		<43.5		
Calcinated Limestone	Size	MgO		CaO		LOI		
	10 - 30	<5		>90		<5		
Silicon ore	Size	T.S.I	C.I		L.O.I	Al ₂ O ₃	SiO ₂	
	15 - 30	91	92		0.23	<0.25	>98	

* Items are available in all sizes on demand.

Iron

Falat Kohan Company is one of the main suppliers of iron ore to blast furnace steel production plants, as well as concentrate and pelletizing plants in the country. In exchange for selling iron ore to these factories, a wide range of premium products such as steel billets, pig iron billets, iron pellets, iron concentrate, and sponge iron, as well as secondary products like mill scale and sponge iron sludge, are made available for sale to the esteemed customers of Falat Kohan Company. The specifications of some of these products can be seen in the table below:

Iron Ore						
Hematite Iron	Size	P	S	SiO ₂	FeO	Fe
	0-10 10-100	<0.5	<1	<8	<8	>40
Magnetite Iron	Size	P	S	SiO ₂	FeO	Fe
	0-10 10-30	<0.5	<1	<4	>14	>60
	Size	P	S	SiO ₂	FeO	Fe
	0-10 10-30	<0.5	<1	<8	>14	>50

Intermediate Products												
Pellet	Size 9-16mm	CCS	Prosity	A Index	T Index	S	P	Cao+ MgO	FeO	Al ₂ O ₃	SiO ₂	Fe.t
	≥85	280	19-24	≤3	≥95	≤0.00 9	0.01	≤2.5	≤1	≤1	≤4.5	≥65
Spong Iron	S	P	SiO ₂	Fe metallization		Fe metal	Fe total		Al ₂ O ₃	C		
	≤0.01	≤0.1	≤5.5	90		78.5-82	85.9-89		≤1	1.3-2		

Other Products						
Mill Scale Iron	Size	FeM	Moisture	Si	FeO	Fe
	0-10	>30	<2	<4	>50	>60
Iron Sludge	Size	Moisture	Si	FeO	Fe	
	0-10	<2	<4	>15	>66	



Pig Iron

Pig iron is a crucial raw material in the steel industry. It is primarily used as a feedstock for steelmaking processes, such as the Basic Oxygen Furnace (BOF) and Electric Arc Furnace (EAF). In these processes, pig iron is melted down and its high carbon content is reduced to produce different grades of steel. The resulting steel is then cast into various forms, including billets, slabs, and ingots, which are further processed into finished products like sheets, rods, and structural components. Pig iron's high carbon and silicon content make it ideal for blending with scrap steel and other materials to achieve the desired properties in the final steel product.

Parameter	Unit	Value
Fe	%	93 - 97
C		3.5 – 4.3
Si		0.5 – 1.5
Mn		0.08 – 0.5
P		0.2
S		0.15
Ti		0.001 - 0.04
Cr		0.001-0.005
S	cm	56*20*11