

LUMPY FLUORITE CONCENTRATE FOR THE IRON AND STEEL INDUSTRY

Lumpy fluorite concentrate use for smelting of various grades of steel in the steel industry

The material is transported in bulk. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Concentrate brand	Content, %					Fineness	Technical specification
	at least	not more				-300 +5 mm fraction content of less than 5 mm - no more than 10%	GOST R 29220-91 TC-176952-001- 45608905-2005
	CaF ₂	SiO ₂	S Σ	P	H ₂ O		
FC-92	92	5	0,2	0,2	7		
FC-85	85	10	0,3	0,3	7		
FC-75	75	20	0,3	0,3	7		
FC-75	75	20	0,3	0,3	15		

FLUORITE CONCENTRATE FOR CHEMICAL INDUSTRIES

Fluorite concentrate, due to flotation products are used for the production of hydrofluoric acid, fluorides and other branches of the chemical and glass industries

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Concentrate brand	Content, %					Fineness	Technical specification
	at least	not more				-0,14 +0 mm fraction content of more than 0.14 mm - no more than 10%	GOST R 29219-91 TC -176952-001- 45608905-2005
	CaF ₂	SiO ₂	CaCO ₃	S	H ₂ O		
FF-97A	97	0,8	1,0	0,1	1		
FF-97 B	97	1,0	1,0	0,1	1		
FF-95 A	95	2,0	1,5	0,2	1		
FF-95B	95	3,0	2,0	0,2	1		
FF-92B	92	3,0	3,0	0,2	1		
FF- 90	90	3,5	4,5	0,2	1		

FLUORITE CONCENTRATE FOR WELDING MATERIALS

Fluorite concentrate for WM, due to flotation products are used for the production of welding consumables general and special purpose, electrodes, cored wires, melted and ceramic welding fluxes

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Concentrate brand		Content, %					Technical specification
	at least	not more					GOST R 4421-73 TC -176952-001-45608905-2005
	CaF2	SiO2	CaCO3	S	P	H2O	
ΦΦC-97	97	2	1,0	0,05	0,015	1	
ΦΦC-95A	95	2,5	2	0,1	0,02	1	
ΦΦC-95Б	95	2,5	2,0	0,1	0,03	1	

PULVERIZED QUARTZ

Pulverized quartz is used in metallurgical, chemical and construction industries, as well as for the production of welding electrodes and ceramic welding fluxes.

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Brand	Content, %								Technical specification
	He менее	He более							
	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO+ MgO	Na ₂ O+K ₂ O	P	S	ППП (500°C)	
A	98	0,5	0,05	0,05	-	-	-	2,15	GOST R 4421-73
AC	99,0	0,5	0,05	0,1	0,2	0,02	0,1		TC -176952-001-45608905-2005

Brand	Sieve residue less than, %				
	016 mm	0.1mm	0.063mm	0.05mm	0.045mm
A	0,1	2,5	10	15	-
AC	-	3,0	16	-	16

CHAMOTTE POWDER

Chamotte powder is used for the production of welding consumables general and special purpose, electrodes, cored wires, melted and ceramic welding fluxes and in the production of refractory materials

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Index name	Value
1. Mass content SiO_2 , %	50.0-65.0
2. Mass content Al_2O_3 , %	30-44
3. Mass content S, не более %	0.020
4. Mass content P, %	0.030
5. Loss on ignition(1050°C), no more %	0.05
6. Bulk density, kg/m ³	1120-1380
7. Sieve residue № 0,5,%	0
8. Sieve residue № 0,315, %	0-2
9. Sieve residue № 0,16, %	5-15
10. Sieve residue № 0,1 %	10-25
11. Sieve residue № 0063, %, no more	15-20
12. Fineness less than 0,063,%, no less	30-50

WOLLASTONITE POWDER

Wollastonite powder is used for the production of welding consumables general and special purpose, electrodes, cored wires, melted and ceramic welding fluxes and other.

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Index name	Value
1. Mass content SiO_2 , %	47.0-54.0
2. Mass content CaO , %	43.0-47.0
3. Mass content Al_2O_3 , %, no more	2.5
4. Mass content Fe_2O_3 , %, no more	1.0
5. Mass content S, % no more	0.010
6. Mass content P, %, no more	0.010
7. Mass content CO_2 , %, no more	0.6
8. Mass content K_2O , % no more	2.0
9. Mass content MgO , %, no more	1.0
10. Mass content MnO , %, no more	1.5
11. Mass content F, % no more	2.5
12. Loss on ignition((500°C),% no more	0.5
13. Loss on ignition((1050°C),% no more	0.05
14. Bulk density, kg/m ³	1050-1280
15. . Sieve residue № 0,4%	Max. 1
16. . Sieve residue № 0,315, %	Max 15
17. Fineness less than 0,063,%, no less	15-35

BAUXITE POWDER

Bauxite powder is used for the production of welding consumables general and special purpose, electrodes, cored wires, melted and ceramic welding fluxes and other.

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Index name	Value
1. Mass content SiO_2 , %	4.0-6.5
2. Mass content TiO , %	2.5-4.5
3. Mass content Al_2O_3 , %, no more	86.0-91.0
4. Mass content Fe_2O_3 , %, no more	2.5
5. Mass content S, %, no more	0.020
6. Mass content P, %, no more	0.040
7. Mass content C, %, no more	0.02
8. Mass content K_2O , % no more	1.2
9. Loss on ignition((500°C),% no more	0.03
10. Bulk density, kg/m^3	1640-2000
11 Sieve residue № 0,5%	0
12.Sieve residue № 0,4%	0.1-0.7
13. Sieve residue № 0,315, %	0-2.0
14. Sieve residue № 0.2, %	0-15
15. Sieve residue № 0.16, %	0-15
16. Sieve residue № 0.1, %	5-20
17. Sieve residue № 0.063, %	20-40
18. Sieve residue № 0.045, %	15-40
19 .Fineness less than 0,045,%, no less	0-45

CALCINED BORAX POWDER

Borax is used in the production of non-ferrous metals, chinaware, composed of welding flux and other purposes

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Index name	Value
1. Mass content Na_2O , %	30.0-31.0
2. Mass content B_2O_3 , %	68.0-70.0
3. Loss on ignition((500°C),% no more	2.5
4. Bulk density, kg/m ³	600-800
5. Sieve residue № 0,315, %	0
6. Sieve residue № 0.045, %	20
7 . Fineness less than 0,045,%, no less	80

A SERIES OF LITHIUM IMPREGNATION SERIES **U-LIT** FOR REINFORCEMENT OF CONCRETE

Lithium impregnation series **U-LIT** are used for reinforcement, dedusting and polishing concrete.

The material is transported in containers of various sizes. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Brand	Appearance	Density, kg/m3	Content of active substance	Consumption, ml/m2
U-Lit standard	Colorless clear liquid	1100-1120	11-13 %	150-180
U-Lit concentrate	Colorless clear liquid	1170-1200	19-20%	100-110
U-Lit lacquer finish	White liquid	1100-1120	20-25%	150-180

U-LIT standard are used for reinforcement, dedusting concrete.

U-LIT concentrate can be use for prepare **U-LIT standard** and for protect wooden constructions from moisture, mold and fire.

U-LIT lacquer finish use for polishing concrete after reinforcement and dedusting **U-LIT standard**.

GROUND TECHNICAL SILICON

Ground technical silicon is used for the production of refractory materials and other purposes

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Brand	Si% no less	Fe,% no more	Al,% no more	Ca,% no more	Fineness >100mkmm no more	Fineness <63 mkmm no less
Kp 1-M	98.0	0.7	0.7	0.6	2%	50%
Kp 2-M	97.0	1.0	1.2	0.8	2%	50%
Kp 3-M	96.0	1.5	1.5	1.5	2%	50%

SINTERED MAGNESIUM OXIDE

Sintered Magnesium Oxide is used for the production of refractory materials and other purposes

The material is transported in Big-Bag. Depending on the batch size, the products can be delivered by car or rail.



BASIC PROPERTIES

Index name	Value
1. Mass content MgO, % no less	90.0
2. Mass content SiO ₂ , %	5.0
3. Mass content CaO, %, no more	4.0
4. Mass content Fe ₂ O ₃ , %, no more	2.5
5. Mass content Al ₂ O ₃ , % no more	2.0
6. Mass content CO ₂ , %, no more	1.0
7. Mass content S, %, no more	0.010
8. Mass content P, % no more	0.015
9. Mass content TiO ₂ , %, no more	0.5
13. Loss on ignition((1050°C),% no more	0.04
14. Bulk density, kg/m ³	1800-2200
15. . Sieve residue № 1.0 %	<5
16. . Sieve residue № 0.500%	20-40
17. Fineness less than 0.100,%, no less	Max 20