

Zhengzhou Sifang Refractory Co.,Ltd

Supplier Name: Zhengzhou Sifang Refractory Co., Ltd.

Address: Laiji Town, Xinmi Zhengzhou City, Henan, China

Contact: Mrs. Phyliss

Telephone: 86-371-63155111

Mobile Phone: 86-18639017317

Showroom: <http://sfrefractory.en.made-in-china.com>

01



High Alumina Brick for Blast Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Alumina Block

Product Table:

Material	Brand	Al ₂ O ₃ (%) ≥	Refractori ness under load 0.2MPa°C ≥	Creeping rate(%) (T ×20- 50×20M Pa)≤	Thermal shock resistanc e(1100°C water cooling)≥ times	Cold crushing strength MPa,≥	Bulk density g/cm ³	Apparent porosity %,≤
Clay Brick	DY+RN4 2	42	1420	-	-	40	2.0-2.20	22 24
Low Creeping High Aluminu m Brick	DY- DRL140	65	Reheatin g Linear Change(%) 1500°C× 4h±0.2	0.8(1400° C)	10	49	2.45	23
Silicon Brick	DY-RGQ	SiO ₂ (%)≥ 95	1650	0.8(1500° C)	Residual Quartz %,≤1.0 Thermal Expansio n Rate(100 0°C)%,≤1 .26	40(35)	Apparent density 2.34	22
Low Creeping Clay Brick	DY- DRN125	42	1450	0.8(1500)	-	40	2.15-2.30	22(24)
Andalusit e Brick	DY- HLR135	53	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1500° C)	20	40	2.30	22
Andalusit e Mullite Brick	DY- HLR140	57 Fe ₂ O ₃ % ≥95	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1350° C)	20	40	2.40	22
Hot Air Stove Clay Brick	DY- HRN42	42	1420	-	Data Approvid ed	40	2.0-2.20	22(24)
Thermal shock resistanc e Clay Brick	DY-HRN	45	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1200° C)	15	40	2.25	22
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR3	65 Fe ₂ O ₃ % ≥1.2	1480	Reheatin g Linear Change(%) 1450°C× 4h±0.2	50	49	2.50	24
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR1	65 Fe ₂ O ₃ % ≥1.8	1480	Reheatin g Linear Change(%) 1350°C× 4h±0.2	100	40	2.30	25

02



High Alumina Refractory Bricks Fire Bricks for Hot Blast Stove

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,499.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Alumina Block

Product Table:

Material	Brand	Al ₂ O ₃ (%) ≥	Refractori ness under load 0.2MPa°C ≥	Creeping rate(%) (T ×20- 50×20M Pa)≤	Thermal shock resistanc e(1100°C water cooling)≥ times	Cold crushing strength MPa,≥	Bulk density g/cm ³	Apparent porosity %,≤
Clay Brick	DY+RN4 2	42	1420	-	-	40	2.0-2.20	22 24
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Low Creeping Clay Brick	DY- DRN125	42	1450	0.8(1500)	-	40	2.15-2.30	22(24)
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Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR3	65 Fe ₂ O ₃ % ≥1.2	1480	Reheatin g Linear Change(%) 1450°C× 4h±0.2	50	49	2.50	24
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03



Low Creeping Clay Bricks
Fire Bricks Refractory for
Hot Blast Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,499.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Alumina Block

Product Table:

Material	Brand	Al ₂ O ₃ (%) ≥	Refractori ness under load 0.2MPa°C ≥	Creeping rate(%) (T ×20- 50×20M Pa)≤	Thermal shock resistanc e(1100°C water cooling)≥ times	Cold crushing strength MPa,≥	Bulk density g/cm ³	Apparent porosity %,≤
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Andalusit e Mullite Brick	DY- HLR140	57 Fe ₂ O ₃ % ≥95	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1350° C)	20	40	2.40	22
Hot Air Stove Clay Brick	DY- HRN42	42	1420	-	Data Approvid ed	40	2.0-2.20	22(24)
Thermal shock resistanc e Clay Brick	DY-HRN	45	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1200° C)	15	40	2.25	22
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Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR1	65 Fe ₂ O ₃ % ≥1.8	1480	Reheatin g Linear Change(%) 1350°C× 4h±0.2	100	40	2.30	25

04



Low Creep High Alumina
Firebricks for Hot Blast
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,499.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Alumina Block

Product Table:

Material	Brand	Al ₂ O ₃ (%) ≥	Refractori ness under load 0.2MPa°C ≥	Creeping rate(%) (T ×20- 50×20M Pa)≤	Thermal shock resistanc e(1100°C water cooling)≥ times	Cold crushing strength MPa,≥	Bulk density g/cm ³	Apparent porosity %,≤
Clay Brick	DY+RN4 2	42	1420	-	-	40	2.0-2.20	22 24
Low Creeping High Aluminu m Brick	DY- DRL140	65	Reheatin g Linear Change(%) 1500°C× 4h±0.2	0.8(1400° C)	10	49	2.45	23
Silicon Brick	DY-RGQ	SiO ₂ (%)≥ 95	1650	0.8(1500° C)	Residual Quartz %,≤1.0 Thermal Expansio n Rate(100 0°C)%,≤1 .26	40(35)	Apparent density 2.34	22
Low Creeping Clay Brick	DY- DRN125	42	1450	0.8(1500)	-	40	2.15-2.30	22(24)
Andalusit e Brick	DY- HLR135	53	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1500° C)	20	40	2.30	22
Andalusit e Mullite Brick	DY- HLR140	57 Fe ₂ O ₃ % ≥95	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1350° C)	20	40	2.40	22
Hot Air Stove Clay Brick	DY- HRN42	42	1420	-	Data Approvid ed	40	2.0-2.20	22(24)
Thermal shock resistanc e Clay Brick	DY-HRN	45	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1200° C)	15	40	2.25	22
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR3	65 Fe ₂ O ₃ % ≥1.2	1480	Reheatin g Linear Change(%) 1450°C× 4h±0.2	50	49	2.50	24
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR1	65 Fe ₂ O ₃ % ≥1.8	1480	Reheatin g Linear Change(%) 1350°C× 4h±0.2	100	40	2.30	25

05



Refractory Brick Group for Hot Blast Tube

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Alumina Block

Product Table:

Material	Brand	Al ₂ O ₃ (%) ≥	Refractori ness under load 0.2MPa°C ≥	Creeping rate(%) (T ×20- 50×20M Pa)≤	Thermal shock resistanc e(1100°C water cooling)≥ times	Cold crushing strength MPa,≥	Bulk density g/cm ³	Apparent porosity %,≤
Clay Brick	DY+RN4 2	42	1420	-	-	40	2.0-2.20	22 24
Low Creeping High Aluminu m Brick	DY- DRL140	65	Reheatin g Linear Change(%) 1500°C× 4h±0.2	0.8(1400° C)	10	49	2.45	23
Silicon Brick	DY-RGQ	SiO ₂ (%)≥ 95	1650	0.8(1500° C)	Residual Quartz %,≤1.0 Thermal Expansio n Rate(100 0°C)%,≤1 .26	40(35)	Apparent density 2.34	22
Low Creeping Clay Brick	DY- DRN125	42	1450	0.8(1500)	-	40	2.15-2.30	22(24)
Andalusit e Brick	DY- HLR135	53	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1500° C)	20	40	2.30	22
Andalusit e Mullite Brick	DY- HLR140	57 Fe ₂ O ₃ % ≥95	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1350° C)	20	40	2.40	22
Hot Air Stove Clay Brick	DY- HRN42	42	1420	-	Data Approvid ed	40	2.0-2.20	22(24)
Thermal shock resistanc e Clay Brick	DY-HRN	45	Reheatin g Linear Change(%) 1400°C× 4h±0.2	0.6(1200° C)	15	40	2.25	22
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR3	65 Fe ₂ O ₃ % ≥1.2	1480	Reheatin g Linear Change(%) 1450°C× 4h±0.2	50	49	2.50	24
Thermal shock resistanc e Andalusit e Mullite Brick	DY- HLRR1	65 Fe ₂ O ₃ % ≥1.8	1480	Reheatin g Linear Change(%) 1350°C× 4h±0.2	100	40	2.30	25

06



Low Porosity / Iron/
Creep Refractory Firebrick
for Glass Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$299.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

07



Ultra-Low Porosity Clay Refractory Firebrick Bricks for Glass Kiln

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$299.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

Product Table:	Item	CND-10	CND-12	CND-14
	Refractoriness °C ≥	1770	1770	1770
	BD g/cm3 ≤	2.45	2.45	2.3
	AP% ≥	10	12	14
	CCS MPa ≥	70	70	45
	RL % ≥	1420	1550	1500
	PLC(1500°C × 2h)%	0~-0.2	0~-0.2	0~-0.3
	AL2O3% ≥	50	46	40
	SiO2 ≤	48	52	55
	Fe2O3 ≤	1.3	1.3	1.5

08



Low Creep Mullite
Composite Brick Firebrick
for Glass Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$299.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

Product Table:	Item	M-65	M-75	M-80
	AL ₂ O ₃ % ≥	65	75	80
	Refractoriness °C ≥	1850	1850	1850
	A P% ≥	20	20	21
	BD g/cm ³ ≥	2.5	2.6	2.7
	RUL % ≥	1580	1600	1630
	CSS MPa ≥	55	60	60

09



Oxygen-Fuel Combustion Fire Mouth Bricks for Glass Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zro2

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

010



Re-Sintered Fused Zirconium Mullite Brick for Glass Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zro2

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

011



Re-Sintered Fused Zirconium Mullite for Glass Kiln Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zro2

Product Table:	Item	AZS-33	AZS-41	Cross Brick	L Type Hanging Brick
	Refractoriness °C ≥	1790	1790	1790	1790
	BD g/cm3 ≤	3.40	3.50	3.0	2.9
	AP % ≥	18	18	20	18
	CCS MPa ≥	90	100	70	70
	RUL °C ≥	1680	1680	1650	1650
	AL2O3 % ≥	45	45	45	58
	ZrO2%	30-33	≥40	30-33	18
	Fe2O3% ≥	15	13	15	22
	Ti2O2% ≥	1.0	1.0	1.0	1.0

012



Re-Sintered Azs Brick Refractory for Glass Kiln Azs Series

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zro2

Product Table:	Item	AZS-33	AZS-41	Cross Brick	L Type Hanging Brick
	Refractoriness °C ≥	1790	1790	1790	1790
	BD g/cm3 ≤	3.40	3.50	3.0	2.9
	AP % ≥	18	18	20	18
	CCS MPa ≥	90	100	70	70
	RUL °C ≥	1680	1680	1650	1650
	AL2O3 % ≥	45	45	45	58
	ZrO2%	30-33	≥40	30-33	18
	Fe2O3% ≥	15	13	15	22
	Ti2O2% ≥	1.0	1.0	1.0	1.0

013



Dense Zircon Brick
Firebrick Refractory
Material for Glass Kiln

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$400.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Octagonal
	Material	Zro2

Product Table:	Items	SZ-60	SZ-65
	Refractoriness °C	≥ 1790	1790
	BD g/cm3	≤ 3.40	3.65
	AP %	≥ 18	19
	CCS MPa	≥ 80	100
	RUL °C	≥ 1600(T2)	1700(T2)
	AL2O3 %	≥ 5	0.5
	ZrO2%	≥ 60	64.5
	SiO2%	≤ -	33
	Fe2O3%	≤ 1.3	0.2

014



**Wearproof Refractory Fire
Brick for Electric Chemical
Industry**

Contact Supplier

Price:	Min. Order(Pieces)	FOB Price
	1+	US \$350.00-550.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Product Table:	Item		Indes			
			DL-80	DL-75	BDL-80	BDL-75
	Al ₂ O ₃ ,% ≥		80	75	80	75
	Refractoriness °C ≥		-	-	1780	1780
	0.2MPa refractoriness under load temperature°C ≥		1530	1520	1530	1520
	Heating Permanent Line Change % 1500°C ×2h		0.2~-0.4		-	-
	Apparent porosity (%)	Roof tiles ≤	19	19	18	18
		Brick arch Angle ≤	21	21	20	20
	Thermal shock resistance(1100°C,water cooling) times ≥		Data provide			8

015



Wear Resisting Firebrick
for Electric Chemical
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	5+	US \$150.00-1,000.00

Port: Ningbo

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/PE Stretch Film/Carton

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick or Shaped
	Material	Clay

Product Table:

Fire Clay Brick SK-32	
Item	Standard
Al ₂ O ₃ (%)	30
Fe ₂ O ₃ (%)	3
Refractoriness (SK)	32
Refractoriness under load, 0.2MPa, Ta, ((°C)	1300
Porosity (%)	22-26
Bulk density (g/cm ³)	2.05
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-34	
Item	Standard
Al ₂ O ₃ (%)	38
Fe ₂ O ₃ (%)	2.5
Refractoriness (SK)	34
Refractoriness under load, 0.2MPa, Ta, ((°C)	1350
Porosity (%)	19-23
Bulk density (g/cm ³)	2.10-2.15
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-36	
Item	Standard
Al ₂ O ₃ (%)	50
Fe ₂ O ₃ (%)	2
Refractoriness (SK)	36
Refractoriness under load, 0.2MPa, Ta, ((°C)	1450
Porosity %	20-24
Bulk density (g/cm ³)	2.30-2.40
Cold crushing strength (MPa)	45
Thermal expansion at 1000°C (%)	0.3

016



Shaped Clay Fire Brick Firebrick for Boiler

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	5+	US \$100.00-500.00

Port: Ningbo

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/PE Stretch Film/Carton

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick or Shaped
	Material	Clay

Product Table:

Fire Clay Brick SK-32	
Item	Standard
Al ₂ O ₃ (%)	30
Fe ₂ O ₃ (%)	3
Refractoriness (SK)	32
Refractoriness under load, 0.2MPa, Ta, ((°C)	1300
Porosity (%)	22-26
Bulk density (g/cm ³)	2.05
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-34	
Item	Standard
Al ₂ O ₃ (%)	38
Fe ₂ O ₃ (%)	2.5
Refractoriness (SK)	34
Refractoriness under load, 0.2MPa, Ta, ((°C)	1350
Porosity (%)	19-23
Bulk density (g/cm ³)	2.10-2.15
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-36	
Item	Standard
Al ₂ O ₃ (%)	50
Fe ₂ O ₃ (%)	2
Refractoriness (SK)	36
Refractoriness under load, 0.2MPa, Ta, ((°C)	1450
Porosity %	20-24
Bulk density (g/cm ³)	2.30-2.40
Cold crushing strength (MPa)	45
Thermal expansion at 1000°C (%)	0.3

017



Magnesia Alumina Spinel
Refractory Brick for
Cement Kiln

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$400.00-1,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	MgO-Carbon Brick

Product Table:

Brand No.		Magnesia Composition(%)			A.P.(%)≤	B.D.(g/cm ³)≥	C.C.SMPa ≥	0.2MPa Refractori ness Under Load(°C) ≥
		MgO(%) ≥	SiO ₂ (%)≥	Cr ₂ O ₃ (%) ≥				
Directly Combined MgO-Cr ₂ O ₃ Brick	HZMG-12	73	1.5	12	17	3.05	45	1700
	HZMG-16	70	1.5	16	18	3.05	45	1700
	HZMG-18	65	1.5	18	18	3.05	40	1700
	HZMG-20	60	2	20	18	3.05	40	1700
	HZMG-22	58	2	22	18	3.05	40	1700
Fused Semi-rebond MgO-Cr ₂ O ₃ Brick	HBDMK-16	68	1.5	16	16	3.10	40	1700
	HBDMK-18	64	1.5	18	16	3.10	40	1700
	HBDMK-20	65	1.0	20	14	3.10	40	1700
	HBDMK-22	56	2.5	22	16	3.10	40	1700
	HBDMK-26	50	2.5	26	16	3.10	40	1700
Fused Rebond MgO-Cr ₂ O ₃ Brick	HDMK-12	75	1.5	12	15	3.20	50	1700
	HDMK-14	75	1.5	14	15	3.20	50	1700

018



Low Heat Conduction Composite Brick for Cement Kiln

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$700.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Silicon Carbide (SiC)

Product Table:	Item	0.2MPa RUL T0.6°C	Heat Conductivity(1 000°C)W/m.k	Refractorines(MPa)	Thermal Shock Resistance 1100°C water cooling(times)	5000T/D Service life for Transitional Zone(month)
	Low heat conduction composite Brick	≥ 1660°C	Hot terminal≤1.7 Cold terminal ≤0.3	110-130	20-25	12-24
	Wear resist composite Brick	≥ 1550°C	Hot terminal≤2.5 Cold terminal ≤1.8	80-90	20-25	6-10
	Spinelite Brick	≥ 1680°C	≥3.0	50-70	4-12	8-12
	Red silicon mullite Brick	≥ 1660°C	≤1.8	≥110	15-20	8-12

019



Anti Strip High Alumina
Brick Firebrick Refractory
Products

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

Product Table:

Item	GKBL-70	GKBL-75	AZM-1550	AZM-1650	AZM-1600
Al ₂ O ₃ % ≥	70	75	65	64	60
ZrO ₂ % ≥	6-8	--	--	--	--
Bulk density g/cm ³	2.5	2.6	2.5	2.55	2.6
Refractoriness° C	1790	1790	1790	1790	1790
Apparent porosity (%)≤	24	23	20	20	21
Cold crushing strength (MPa) ≥	60	70	80	90	95
Refractoriness under load 0.2Mpa°C ≥	1470	1520	1550	1650	1680
Thermal shock resistance(110 0°C,water cooling)TSR	30	25	10	12	15
Wearing coefficient	-	-	-	8.2	8.5

020



Sintered Mullite Brick
Fireproof Refractory for
Cement Industry

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$700.00-1,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

Product Table:

Item	H series		Type 1	Type 2	Q Type	
	H1	H2			Q1	Q2
Al ₂ O ₃	69	69	67	65	50	50
SiO ₂ +SiC	25	25	30	30	--	--
Refractoriness, °C	1790	1790	1790	1790	1790	1790
Bulk density, g/cm ³	2.75	2.65	2.7	2.65	2.5	2.4
Refractoriness under load 0.2MPa, °C	1660	1650	1650	1630	1550	1500
Cold crushing strength, MPa	100	90	95	90	70	50
Apparent porosity, %	15	--	17	18		
Heat conductivity coefficient, W/m·K	1.7	1.5	1.7	1.7	1.43	1.4
Thermal shock resistance, 100°C water cooling times	25	15	20	12	10	10
Wear coefficient	6.8	7.0	7.2	8.2	8.7	8.9

021



High Alumina Refractory
Bricks Fire Brick
Refractory Material

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$100.00-700.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Product Table:	Item		Indes			
			DL-80	DL-75	BDL-80	BDL-75
	Al ₂ O ₃ ,% ≥		80	75	80	75
	Refractoriness °C ≥		-	-	1780	1780
	0.2MPa refractoriness under load temperature°C ≥		1530	1520	1530	1520
	Heating Permanent Line Change % 1500°C ×2h		0.2~-0.4		-	-
	Apparent porosity (%)	Roof tiles ≤	19	19	18	18
		Brick arch Angle ≤	21	21	20	20
	Thermal shock resistance(1100°C,water cooling) times ≥		Data provide			8

022



80% Al₂O₃ High Alumina
Refractory Bricks for
Industry High Alumina
Refractory Bricks Fire
Brick Refractory Material

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	5+	US \$200.00-1,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union

Package: Wooden Plate/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Item		Indes			
		DL-80	DL-75	BDL-80	BDL-75
Al ₂ O ₃ ,% ≥		80	75	80	75
Refractoriness °C ≥		-	-	1780	1780
0.2MPa refractoriness under load temperature°C ≥		1530	1520	1530	1520
Heating Permanent Line Change % 1500°C ×2h		0.2~-0.4		-	-
Apparent porosity (%)	Roof tiles ≤	19	19	18	18
	Brick arch Angle ≤	21	21	20	20
Thermal shock resistance(1100°C,water cooling) times ≥		Data provide		8	

023



High Alumina Refractory Checker Brick for Hot Blast Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$150.00-300.00

Port: Qingdao

Payment: L/C, Western Union, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Checker
	Material	Alumina Block

Product Table:	tem		Indes			
			DL-80	DL-75	BDL-80	BDL-75
	Al ₂ O ₃ ,% ≥		80	75	80	75
	Refractoriness °C ≥		-	-	1780	1780
	0.2MPa refractoriness under load temperature°C ≥		1530	1520	1530	1520
	Heating Permanent Line Change % 1500°C ×2h		0.2~-0.4		-	-
	Apparent porosity (%)	Roof tiles ≤	19	19	18	18
		Brick arch Angle ≤	21	21	20	20
	Thermal shock resistance(1100°C,water cooling) times ≥		Data provide			8

024



Anti Stripping High
Alumina Brick for Cement
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$150.00-600.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zro2

Product Table:

Item	GKBL-70	GKBL-75	AZM-1550	AZM-1650	AZM-1600
Al ₂ O ₃ % ≥	70	75	65	64	60
ZrO ₂ % ≥	6-8	--	--	--	--
Bulk density g/cm ³	2.5	2.6	2.5	2.55	2.6
Refractoriness° C	1790	1790	1790	1790	1790
Apparent porosity (%)≤	24	23	20	20	21
Cold crushing strength (MPa) ≥	60	70	80	90	95
Refractoriness under load 0.2Mpa°C ≥	1470	1520	1550	1650	1680
Thermal shock resistance(110 0°C,water cooling)TSR	30	25	10	12	15
Wearing coefficient	-	-	-	8.2	8.5

025



Clay Refractory Brick Clay
Bricks Clay Firebrick Clay
Refractory Bricks for
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	5+	US \$100.00-500.00

Port: Ningbo

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/PE Stretch Film/Carton

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick or Shaped
	Material	Clay

Product Table:

Fire Clay Brick SK-32	
Item	Standard
Al ₂ O ₃ (%)	30
Fe ₂ O ₃ (%)	3
Refractoriness (SK)	32
Refractoriness under load, 0.2MPa, Ta, ((°C)	1300
Porosity (%)	22-26
Bulk density (g/cm ³)	2.05
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-34	
Item	Standard
Al ₂ O ₃ (%)	38
Fe ₂ O ₃ (%)	2.5
Refractoriness (SK)	34
Refractoriness under load, 0.2MPa, Ta, ((°C)	1350
Porosity (%)	19-23
Bulk density (g/cm ³)	2.10-2.15
Cold crushing strength (MPa)	25
Thermal expansion at 1000°C (%)	0.6
Fire Clay Brick SK-36	
Item	Standard
Al ₂ O ₃ (%)	50
Fe ₂ O ₃ (%)	2
Refractoriness (SK)	36
Refractoriness under load, 0.2MPa, Ta, ((°C)	1450
Porosity %	20-24
Bulk density (g/cm ³)	2.30-2.40
Cold crushing strength (MPa)	45
Thermal expansion at 1000°C (%)	0.3

026



High Quality Low
Creeping Clay Brick
Checker Bricks 19 Holes

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$199.00-799.00

Port: Ningbo

Payment: L/C, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Checker
	Material	Alumina Block

Product Table:	Brand	DRN-120	DRN-125	RN-42	RN-40	RD-36
	Al ₂ O ₃ ≥	42	45	42	40	36
	Refractoriness °C ≥	1770	1770	1750	1730	1690
	Refractoriness under load 0.2Mpa°C ≥	1450	1480	1400	1350	1300
	Heating Permanent Line Change %≥	1450°C×2h ±0.3	1450°C×2h ±0.2	1450°C×2h 0~0.4	1350°C×2h 0~-0.3	1350°C×2h 0~-0.5
	Apparent porosity (%)≤	16	16	24	24	26
	Cold Crushing Strength(Mpa) ≥	50	50	29.4	24.5	19.6
	Creeping rate(0.2MPa×50h)≤%	0.6(1200°C×50h)	0.6(1250°C×50h)			

027



Special Clay Bricks Refractory for Carbon Furnace

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$299.00-699.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1330-1450
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Product Table:	Item	Index		
		ZN-45	ZN-40	ZN-36
	Al ₂ O ₃ % ≥	45	40	36
	Refractoriness under load 0.2MPa °C ≥	1430	1380	1350
	Reheating linear change(1400×2h) %	-0.2~+0.1	-0.3~+0.1	-0.4~+0.1
	Bulk density(g/cm ³)	2.00~2.40		
	Apparent porosity % ≤	16	19(22)	22(24)
	Cold crushing strength MPa ≥	60	40(35)	35(30)

028



Silicon Refractory Brick for Cement Kiln

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	3+	US \$800.00-1,300.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770		
	Feature	Long Time Materials		
	Type	Heat-Resistant Material		
	Shape	Brick or Shaped		
	Material	Alumina Cement		

Product Table:	Index	Product	AZM-1550	AZM-1650	AZM-1680
	chemical composition	SiC+SiO2	≥35	≥30	≥32
		Al2O3	≥60	≥65	≥65
	Bulk Density(g/cm3)		≥2.55	≥2.65	≥2.70
	Apparent Porosity (%)		≤20	≤19	≤19
	Cold Crushing Strength(Mpa)		≥80	≥90	≥100
	Refractoriness Under Load		≥1550	≥1650	≥1680
	Thermal Shock Resistance		≥12	≥10	≥10

029



Red Silicon Mullite Brick for Cement Kiln

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$700.00-1,200.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Mullite

Product Table:

Item	H series		Type 1	Type 2	Q Type	
	H1	H2			Q1	Q2
Al ₂ O ₃	69	69	67	65	50	50
SiO ₂ +SiC	25	25	30	30	--	--
Refractoriness, °C	1790	1790	1790	1790	1790	1790
Bulk density, g/cm ³	2.75	2.65	2.7	2.65	2.5	2.4
Refractoriness under load 0.2MPa, °C	1660	1650	1650	1630	1550	1500
Cold crushing strength, MPa	100	90	95	90	70	50
Apparent porosity, %	15	--	17	18		
Heat conductivity coefficient, W/m·K	1.7	1.5	1.7	1.7	1.43	1.4
Thermal shock resistance, 100°C water cooling times	25	15	20	12	10	10
Wear coefficient	6.8	7.0	7.2	8.2	8.7	8.9

030



Low Thermal Conductivity Compound Brick

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	3+	US \$800.00-1,300.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick or Shaped
	Material	Alumina Cement

Product Table:	Item	1650	1680
	Al ₂ O ₃ % ≥	65	65
	Refractoriness °C≥	1790	1790
	Bulk Density	2.8	2.85
	RUL °C≥	1550	1600
	Apparent Porosity % ≤	18	18
	CCS/MPa	100	110
	MOP, MPa ≥	8	12
	Thermal shock resistance (Water cooling 1100) °C	30	30
	CCCWT≤	8	8.2

031



Carborundum Silica Brick
Silicon Carbide Brick for
Industry Coke Oven

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$1,000.00-3,000.00

Port: Qingdao

Payment: L/C, T/T, D/P, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Silicon Carbide (SiC)

Product Table:

Item	Properties			
	BG-96A	BG-96B	BG-95A	BG-95B
SiO2,%	96	96	95	95
Fe2O3 ,%	0.8	1	1.2	1.2
Melt index,% Unit weight20KG Unit weight≥20KG	0.5 0.6	- -	0.7 0.7	- -
Cold Crushing strength MPa, Unit weight2KG Unit weight≥20KG	35(30) 30(25)			
Softening temperature under load,°C	1680	1670	1660	1650
Apparent porosity %	22(24)			
Bulk density,g/cm3	1.85-1.9			
True density,g/cm3	2.34		2.35	
Application	sodium silicate furnace,ceramic frit furnace ,glass furnace,coking furnace, metallurgical furnace and other furnaces			

032



Silica Brick for Carbon
Furnace Silica Brick for
Cement Plant Silica Brick
Thermal Expansion

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-3,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Silicon Carbide (SiC)

Product Table:

Item	Properties			
	BG-96A	BG-96B	BG-95A	BG-95B
SiO2,%	96	96	95	95
Fe2O3 ,%	0.8	1	1.2	1.2
Melt index,% Unit weight20KG Unit weight≥20KG	0.5 0.6	- -	0.7 0.7	- -
Cold Crushing strength MPa, Unit weight2KG Unit weight≥20KG	35(30) 30(25)			
Softening temperature under load,°C	1680	1670	1660	1650
Apparent porosity %	22(24)			
Bulk density,g/cm3	1.85-1.9			
True density,g/cm3	2.34		2.35	
Application	sodium silicate furnace,ceramic frit furnace ,glass furnace,coking furnace, metallurgical furnace and other furnaces			

033



Zero Expansion Silica
Refractory Brick with
Super Thermal Stability

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-3,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Silicon Carbide (SiC)

Product Table:

Item	Properties			
	BG-96A	BG-96B	BG-95A	BG-95B
SiO2,%	96	96	95	95
Fe2O3 ,%	0.8	1	1.2	1.2
Melt index,% Unit weight20KG Unit weight≥20KG	0.5 0.6	- -	0.7 0.7	- -
Cold Crushing strength MPa, Unit weight2KG Unit weight≥20KG	35(30) 30(25)			
Softening temperature under load,°C	1680	1670	1660	1650
Apparent porosity %	22(24)			
Bulk density,g/cm3	1.85-1.9			
True density,g/cm3	2.34		2.35	
Application	sodium silicate furnace,ceramic frit furnace ,glass furnace,coking furnace, metallurgical furnace and other furnaces			

034



Glass Furnace 96%SiO₂
Silica Firebricks Checker
Bricks 19 Holes Refractory

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$500.00-1,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580 < Refractoriness < 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Silicon Carbide (SiC)

Product Table:

Item	Properties			
	BG-96A	BG-96B	BG-95A	BG-95B
SiO2,%	96	96	95	95
Fe2O3 ,%	0.8	1	1.2	1.2
Melt index,% Unit weight20KG Unit weight≥20KG	0.5 0.6	- -	0.7 0.7	- -
Cold Crushing strength MPa, Unit weight2KG Unit weight≥20KG	35(30) 30(25)			
Softening temperature under load,°C	1680	1670	1660	1650
Apparent porosity %	22(24)			
Bulk density,g/cm3	1.85-1.9			
True density,g/cm3	2.34		2.35	
Application	sodium silicate furnace,ceramic frit furnace ,glass furnace,coking furnace, metallurgical furnace and other furnaces			

035



Azs Zirconia Corundum
Brick for Industrial
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$250.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1580< Refractoriness< 1770
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Corundum

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

036



**Fused Cast Azs Refractory
Brick Used in Glass Bottle
Furnace**

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$1,000.00-3,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

037



Glass Furnace Use
Electrocast 33# Azs
Refractory Brick

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$600.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

038



Fused Zirconia Corundum
Azs Refractory Bricks for
Glass Industry Kiln

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$600.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

039



Fused Cast Azs Refractory
Brick Used in Glass Bottle
Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$600.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

040



Azs Brick for Glass
Furnace / Fused Cast
Zirconia Alumina Brick

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$250.00-2,500.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

041



Fused Cast Azs Bricks for Glass Industry

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$1,000.00-3,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

042



Alumina Zirconia-
Corundum Refractory
Brick Azs Bricks for Glass
Industry

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$399.00-999.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770< Refractoriness< 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Zirconia Corundum

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

043



Fused Cast Alumina
Zirconia Silica Azs Bricks
for Glass Industry

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$1,200.00-2,000.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Brick
	Material	Alumina Zirconia Silica

Product Table:

Chemical Composition %	AZS-33	AZS-36	AZS-41
ZrO ₂	≥33	≥36	≥41
SiO ₂	≤16.0	≤14	≤13.0
Al ₂ O ₃	49.5	48.5	45.5
Na ₂ O	≤1.5	≤1.3	≤1.1
Fe ₂ O ₃	0.1	0.1	0.1
TiO ₂	0.05	0.05	0.05
PT	3.4	-	-
QX	3.45	-	-
MS	3.5	-	-
WS	3.7	3.85	4.00
Apparent Porosity %	1.0	1.0	1.0
Bulk Density g/cm ³	3.75	3.85	3.95
Ture Density g/cm ³	3.80	3.90	4.10
Cold Crushing Strength MPa	350	350	350
Refractoriness°C	1710	1710	1730
0.2MPa Softening Temp. Under Load °C	1700	1700	1700
Bubbling Tendency %	0.5	0.5	0.5
Exudation Temp. of Glass Melt °C	1400	1420	1430
Corrosion Resistance of Glass Melt(mm/24h)	1.30	1.20	1.00
Thermal Expansion% 1000°C	0.8	0.8	0.8
Crystalline Phase Composition %			
Baddeleyite Crystalline phase	10	11	12
Eutectic zircon corundum Phase	70	70	70
Glass Phase	20	19	18

044



Light Weight Insulating
Brick Fire Brick Refractory
Material Bricks

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$150.00-220.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1250-1440
	Feature	Instant Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Product Table:	Brand	LA-1.2	LA-1.0	LA-0.9	LA-0.8	LA-0.7	LA-0.6	LA-0.5
	Al ₂ O ₃ ,%	48						
	Fe ₂ O ₃ ,%	2						
	Bulk Density	1.2	1.0	0.9	0.8	0.7	0.6	0.5
	Cold Crushing Strength	5	3.92	3.43	2.94	2.45	1.96	1.47
	(350°C)W/m.K Thermal Conductivity	0.55	0.5	0.45	0.35	0.35	0.30	0.25
	Temp reheating shrinkage less than 2.0%	1400	1400	1400	1400	1350	1350	1250

045



Light Weight Fire Clay Brick Heat Insulation Brick

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$150.00-420.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1100-1400
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Brick
	Material	Alumina Block

Product Table:	Brand	Clay insulating bricks				
		NG-0.3	NG-0.5	NG-0.8	NG-1.0	NG-1.3
	Bulk density g/cm ³ ≤	0.3	0.5	0.8	1	1.3
	Crushing strength Mpa ≥	1	2	4	6	8
	The experimental temperature of linear change ≤2%	1100	1150	1250	1350	1400
	Thermal conductivity 350±25(W/m.k) ≤	0.18	0.25	0.35	0.4	0.55
	Al ₂ O ₃ % ≥	40	40	42	42	42

046



Wear-Resisting Refractory Castable for Kiln Lining Factory

[Contact Supplier](#)

Price:	Min. Order(Tons)	FOB Price
	1+	US \$300.00-1,299.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Refractory Material
	Shape	Powder
	Material	Alumina Block

Product Table:	Commodity	Wear resistant plastic refractory material
	Al ₂ O ₃ %	80
	Refractoriness, °C	1800
	Bulk Density, g/cm ³	110°CX24h 2.8
	Modules of rupture, Mpa	110°CX24h 17
		1100°CX3h 20
	Cold Crushing Strength, Mpa	110°CX24h 100
		1100°CX3h 110
	Linear liner change, %	1100°CX3h -0.2~0
	Max. Working temperature, °C	1700
	Normal temperature of wear-resistant, cm ³	4
	Apparent Porosity, %	20

047



High-Strength spray
Painting Castable for
Industrial Furnace

Contact Supplier

Price:	Min. Order(Tons)	FOB Price
	1+	US \$199.00-999.00

Port: Qingdao

Payment: L/C, T/T, Western Union, Paypal, Money Gram

Package: Wooden Pallet/Carton Packing/PE Stretch Film

Product Attribute:	Refractoriness (°C)	1770 < Refractoriness < 2000
	Feature	Long Time Materials
	Type	Heat-Resistant Material
	Shape	Powder
	Material	Alumina Block

Product Table:	Refractoriness °C	1790		
	Wet dissolution kg/m ³	2300-2600		
	Bulk Density g/cm ³	3.22		
	Refractoriness under load °C	1420		
	Heat stability times ≥ 20	800°C-950°C		
	Apparent porosity	19%		
	Coad crushing strength MPa	80.2(500°C×2h)	42.3(1000°C×2h)	38.3(1400°C×2h)
	Bonding time (s)	35		
	Bonding strength MPa	0.3(900°C×24h)	0.2(1100°C×3h)	
	Maximum linear expansion rate	±0.26%		
	Color	Gray	Wahite	
	State	Viscous colloid		