

High Property Tabular Alumina Castables Refractory GT-20



Technical data sheet				
Brand		GT-20		
		Typical	Min	Max
Max service temp.(°C)		1800		
Bulk density(g/cm ³)		2.95		
Chemical composition(%)	Al ₂ O ₃	94.59	94	
	CaO	1.44		2.0
	Fe ₂ O ₃	0.06		0.2
Cold crush strength(Mpa)	110°Cx24h	78.4		
	1100°Cx3h	95		
	1500°Cx3h	105		
Modulus of rupture(Mpa)	110°Cx24h	11.2		
	1100°Cx3h	12		
	1500°Cx3h	12.5		
permanent linear change (%)	1100°Cx3h	+0.3		
	1500°Cx3h	+0.3		
Water required (%)		4.5-5.5		
Method of installation		Vibration		



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Dense Refractories Product Data

High Pure Tabular Alumina Castables Refractory GT-30

Technical data sheet		
Brand		GT-30
Max service temp.(°C)		1800
Bulk density(g/cm ³)		3.07
Chemical composition(%)	Al ₂ O ₃	97.90
	CaO	1.40
	Fe ₂ O ₃	0.04
Cold crush strength(Mpa)	110°C×24h	63
	1100°C×3h	80
	1500°C×3h	92
Modulus of rupture(Mpa)	110°C×24h	17.20
	1100°C×3h	21.40
	1500°C×3h	32.60
permanent linear change (%)	1100°C×3h	-
	1500°C×3h	+0.25
Water required (%)		4.5-5.5
Method of installation		Vibration

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Dense Refractories Product Data

Castable Dense Cast Low Cement Base on Tublaralum Sinter

Technical data sheet		
Brand	GT-90	
Max service temp.(°C)	1800	
Bulk density(g/cm ³)	3.00	
Chemical composition(%)	Al ₂ O ₃	93.0 Min
	SiO ₂	5.0 Max
	CaO	1.5 Max
	Fe ₂ O ₃	0.1Max
Cold crush strength(Mpa)	110°Cx24h	80
	1100°Cx3h	145
	1500°Cx3h	150
Modulus of rupture(Mpa)	110°Cx24h	8
	1100°Cx3h	9
	1500°Cx3h	10
permanent linear change (%)	1100°Cx3h	±0.5
	1500°Cx3h	±0.5
Water required (%)	5-6	
Method of installation	Vibration	

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Castable High Strength Corundum For Kiln Nose Ring GT-93

Technical data sheet		
Brand	GT-93	
Max service temp.(°C)	1800	
Bulk density(g/cm ³)	3.20	
Chemical composition(%)	Al ₂ O ₃	90.0 Min
	SiO ₂	1.2 Max
Cold crush strength(Mpa)	110°C×24h	75
	1100°C×3h	85
	1500°C×3h	90
Modulus of rupture(Mpa)	110°C×24h	10
	1100°C×3h	11
	1500°C×3h	12
permanent linear change (%)	1100°C×3h	±0.3
	1500°C×3h	±0.5
Water required (%)	4.5-5.5	
Method of installation	Vibration	



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Dense Refractories Product Data

Dense Castable Refractory



Technical data sheet				
Brand		GT-20		
		Typical	Min	Max
Max service temp.(°C)		1800		
Bulk density(g/cm ³)		2.95		
Chemical composition(%)	Al ₂ O ₃	94.59	94	
	CaO	1.44		2.0
	Fe ₂ O ₃	0.06		0.2
Cold crush strength(Mpa)	110°Cx24h	78.4		
	1100°Cx3h	95		
	1500°Cx3h	105		
Modulus of rupture(Mpa)	110°Cx24h	11.2		
	1100°Cx3h	12		
	1500°Cx3h	12.5		
permanent linear change (%)	1100°Cx3h	+0.3		
	1500°Cx3h	+0.3		
Water required (%)		4.5-5.5		
Method of installation		Vibration		

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Dense Refractories Product Data

Dry Alumina Ramming Mass based on Corundum for melting steel in Induction furnaces and Middle Frequency



Technical data sheet		
Brand		AM-85
Max service temp.(°C)		1750
Bulk density(g/cm ³)		2.60
Chemical composition(%)	Al ₂ O ₃	87 Min
	MgO	11.07
	SiO ₂	0.74
	Fe ₂ O ₃	0.6
	CaO	0.2
Cold crush strength(Mpa)	1500°Cx3h	31
Apparent porosity %		33
Method of installation		ramming
main use		melting steel in Induction furnaces and Middle Frequency

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Dense Refractories Product Data

High Alumina Castable Low Cement LC-160,LC-140,LC-70

Technical data sheet				
Brand		LC-160	LC-140(CA60A)	LC-70
Max service temp.(°C)		1700	1500	1650
Bulk density(g/cm ³)		2.7	2.5	2.65
Chemical composition(%)	Al ₂ O ₃	78	61 Min	70 Min
	SiO ₂	15-18	34 Max	25 Max
	Fe ₂ O ₃	1.0 Max	1.4 Max	1.0-2.0
	CaO	1.5 Max	1.5 Max	1.5 Max
Cold crush strength(Mpa)	110°Cx24h	80	75	60
	1100°Cx3h	100	80	65
Modulus of rupture(Mpa)	110°Cx24h	9	8	7
	1100°Cx3h	12	9	8
permanent linear change (%)	1100°Cx3h	±0.4	±0.5	±0.5
Thermal Cond at 1200°C(W/m.k)		1.35	1.9	1.93
Water required (%)		5.5-6.5	5.5-6.5	5.5-6.5
Method of installation		Vibration	Vibration	Vibration

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Dense Refractories Product Data

High Strength Alkaline Resistant Castables Refractory 13NL

Technical data sheet		
Brand		13NL
Max service temp.(°C)		1300
Bulk density(g/cm ³)		2.1
Chemical composition(%)	Al ₂ O ₃	? 48
	SiO ₂	? 50
Cold crush strength(Mpa)	110°Cx24h	? 70
	1100°Cx3h	? 70
Modulus of rupture(Mpa)	110°Cx24h	? 7
	1100°Cx3h	? 7
permanent linear change (%)	1100°Cx3h	±0.2
Thermal Cond at 1200°C(W/m.k)		1.35
Water required (%)		6-7
Method of installation		Vibration
Main use		The lining of preheater and precalciner of large cement kiln

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Dense Refractories Product Data

Insulating Castable

Technical data sheet		
Brand		LT13NL
Max service temp.(°C)		1300
Bulk density(g/cm ³)		1.65
Cold crush strength(Mpa)	110°Cx24h	? 35
	1000°Cx3h	? 30
Modulus of rupture(Mpa)	110°Cx24h	? 3
	1000°Cx3h	? 2.5
permanent linear change (%)	1000°Cx3h	2.0 Max
Thermal Cond at 1000°C(W/m.k)		0.56
Water required (%)		16-20
Method of installation		Vibration
Main use		The insulation lining of cement kiln

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Dense Refractories Product Data

Tabular Alumina,Spinel Castable Refractory for Steel ladle castable

Technical data sheet		
Brand		GT-25
Max service temp.(°C)		1800
Bulk density(g/cm ³)		3.05
Chemical composition(%)	Al ₂ O ₃	94.35
	SiO ₂	0.16
	MgO	2.61
Cold crush strength(Mpa)	110°Cx24h	42.8
	1100°Cx3h	39
	1600°Cx3h	119
Modulus of rupture(Mpa)	110°Cx24h	8.7
	1100°Cx3h	7.1
	1600°Cx3h	31
permanent linear change (%)	1000°Cx3h	0.1
	1600°Cx3h	-

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Fire Clay Bricks



Technical data sheet		
Bulk density(g/cm ³)		2.05-2.2
Chemical composition(%)	Al ₂ O ₃	30-34
	SiO ₂	62-66
	Fe ₂ O ₃	1.0
Cold crush strength(Mpa)		40
Apparent porosity %		15-18
Thermal Expansion at 1200°C(Lin%)		0.7
Thermal Conductivity at 1000 °C(w/MK)		1.2
0.2Mpa refractoriness under load(°C)		1350



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