

PRODUCTS SPECIFICATION		Code: T/qa
Product	Corundum ball-grinding media High alumina Industrial ceramic and recycled materials for refractory industry	Origin: China /ZJ

Description:

The corundum ball are pressed by equal-pressure press, and the diameter of the ball is as per following specs, As a grinding media widely used in ball mill, pot mill, librating mill and other fine breaking plants. It has high hardness, high volumetric density and good anticorrosion. Its smashing efficiency and scuff-resistance are much better than common ball-stone or natural cobblestone, widely used in ceramics, glass, porcelain enamel, pigment, chemicals and other field.

	Unit	92	95	ZTA	99
Al ₂ O ₃	%	>92	>95	>87	>99
ZrO ₂				5	
Density	g/cc	3.6	3.65	3.7	3.9
Water absorption	%	0.01	0.01	0.01	0.01
Grinding losses	g/kg.h%	<0.2	<0.15	<0.008	<0.01
Diameter	mm	3-90	3-90	3-90	3-90
Flexure strength	MPA	280	300	320	450
Mohs Hardness	Grade	9	9	9	9
Thermal Expansion	1x10 ⁻⁶	7.8	7.8	7.8	7.8
Applying tempepture	C	1250	1250	1250	1250

Corundum ball application performance:

- 1 high hardness, good grinding property, no-contamination, improve grading materials quality and stability.
2. use corundum ball can increase the grinding space, improve the production capacityto30-50%, for instance: one 1.5mt ball mill of 1800mm×2100mm:
3. longer life for consumption and production.

	Unit	Refractory brick Alumina based	Industry ceramic High Alumina	Reaction sintered SiC	Recrystallized SiC
Al ₂ O ₃	%	>40-60	>90-95		
Fe ₂ O ₃		1-3	0.3		
SiC	%			90	99
Si				10	
Density	g/cc	2.4	3.60	3.0	2.7
Water absorption	%		0.1	0.1	
A Porosity	%		0.5	0.1	15
Size	mm	0-1/1-3/3-5 0-50mm	0-1/1-3/3-4 0-50mm	0-1/1-3/3-5 0-50mm	0-1/1-3/3-5 0-50mm
Flexure strength	MPA		300	250	100
Mohs Hardness	Grade	N.A	9	9	9
Thermal Expansion	1x10 ⁻⁶	NA	7.8	4.5	4.5
Applying tempepture	C	1000	1700	1350	1650

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