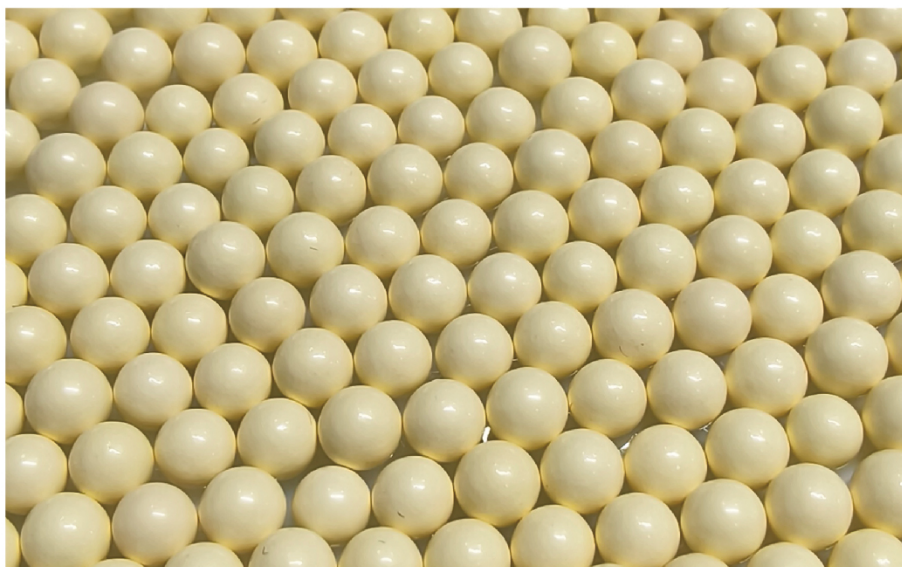


CERAMIC BALLS (ULTRA-FINE GRINDING MEDIA) КЕРАМИЧЕСКИЕ ШАРИКИ (УЛЬТРАТОНКИЕ МЕЛЮЩИЕ ТЕЛА)



PROPERTIES Характеристики

- ◎ High strength, high hardness.
- ◎ High wear resistance, high specific gravity.
- ◎ High temperature resistance.
- ◎ Acid and alkali resistance, corrosion resistance.
- ◎ No pollution, widely application.

- ◎ Высокая прочность, высокая твердость.
- ◎ Высокая износостойкость, высокий удельный вес.
- ◎ Высокая термостойкость.
- ◎ Кислото- и щелочестойкость, коррозионная стойкость.
- ◎ Отсутствие загрязнения, широкое применение.



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КЕРАМИЧЕСКИЕ ШАРИКИ (УЛЬТРАТОНКИЕ МЕЛЮЩИЕ ТЕЛА)



TECHNICAL PARAMETERS
Технические параметры

TA SERIES

SERIES	TA28	TA32	TA36	TA37	TA99
Chemical composition	Al ₂ O ₃ ≥60%	Al ₂ O ₃ ≥72%	Al ₂ O ₃ ≥92%	Al ₂ O ₃ ≥92%	Al ₂ O ₃ ≥99%
	SiO ₂ ≤35%	SiO ₂ ≤23%	SiO ₂ ≤5%	SiO ₂ ≤5%	-
	others ≤5%	others ≤5%	others ≤3%	others ≤3%	others ≤0.5%
Density (g/cm ³)	≥2.90	≥3.20	≥3.60	≥3.70	≥3.85
Vickers hardness(GPa)	≥7	≥7.5	≥11	≥12	≥14
Rapid wearing rate (g/kg.h)	≤1.5	≤1.5	≤1.3	≤0.9	-
Roundness	≥96%	≥96%	≥96%	≥96%	≥96%

TZ SERIES

SERIES	TZ37	TZ38	TS40	TS41	TZ40	TZ45	Y-Z47	TZ50	Y-ZrO ₂	Ce-ZrO ₂
Chemical composition	Al ₂ O ₃ +ZrO ₂ ≥92%	Al ₂ O ₃ +ZrO ₂ ≥92%	Al ₂ O ₃ +ZrO ₂ ≥65%	Al ₂ O ₃ +ZrO ₂ ≥67%	Al ₂ O ₃ +ZrO ₂ ≥90%	Al ₂ O ₃ +ZrO ₂ ≥95%	Al ₂ O ₃ +ZrO ₂ ≥96%	Al ₂ O ₃ +ZrO ₂ ≥96%	ZrO ₂ +Y ₂ O ₃ ≥99.5%	ZrO ₂ +CeO ₂ ≥99%
	SiO ₂ ≤5%	SiO ₂ ≤5%	SiO ₂ ≤33%	SiO ₂ ≤30%	SiO ₂ ≤5%	SiO ₂ ≤2%	SiO ₂ ≤2%	SiO ₂ ≤2%	-	-
	others ≤3%	others ≤3%	others ≤3%	others ≤3%	others ≤3%	others ≤3%	others ≤2%	others ≤2%	others ≤0.5%	others ≤1%
Density (g/cm ³)	≥3.70	≥3.75	≥4.15	≥4.10	3.95-4.05	≥4.45	≥4.65	≥4.95	≥5.95	≥5.95
Vickers hardness(GPa)	≥12	≥12	≥10	≥10	≥12	≥12	≥12	≥11	≥11	≥10
Rapid wearing rate (g/kg.h)	≤0.9	≤0.7	≤0.8	≤1.0	≤1.0	≤1.2	≤1.2	≤1.2	≤0.1‰/h	≤0.1‰/h
Roundness	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%

TC36

SERIES	TC92	TC95	SERIES	SIZE (MM)
Al ₂ O ₃ (%)	92±0.5	95±0.5	Cylindrical	φ12*12 φ15*15 φ23*23 φ20*10 φ20*20 φ25*20 φ25*25 φ30*30 φ32*32 φ40*40 φ50*50 φ60*60
Hardness(Mohs)	9	9		
Bulk density(g/cm ³)	≥3.6	≥3.7	Half-cylindrical	φ20*10 20*20 φ20*25 φ30*30 φ40*40
Self wearing rate (‰)	≤0.15	≤0.1	Conical cylinder	φ50/45*50 φ33/28*17 φ32/28*32 φ33/28*33
			Grooved cylinder	φ31*31
			Connected column	φ20*20