Alumina grinding balls

The high Alumina Grinding Ball has been widely used in high speed stirred grinding mills in mining applications. And ball mills as abrasive media for ceramic raw materials and glaze materials in ceramic factories, cement factories, enamel factories and glass work owing to the excellence of high density, high hardness, and high wear rate. during the abrasive/grinding processing, ceramic balls will not break up; it will not pollute the grinding material as well.

With small wear loss and high density, alumina grinding media are widely used in the mix and crush procedure of ceramics, glass, glaze and frits, chemical and plastic industries.

Size range of the isostatic pressed balls :Φ30-70mm
Size rang of the rolling formed balls:Φ1-25mm

Item	Chemical composition			physical properties			Mechanical features	
	Al_2O_3 wt%	SiO_2 wt%	Fe_2O_3 wt%	Bulk Density (g/cm^3)	Self Wear rate (%)	Water absorption (%)	Moh's	(compressing strength) Mpa
AD360	≥92	≤5	≤0.2	≥3.60	≤0.01	≤0.01	9	2000
AD370	≥92	≤3.5	≤0.1	≥3.65	≤0.005	≤0.01	9.5	2200

Application:

1) use in high speed stirred grinding mills in mining applications.
2) ball mills as abrasive media for ceramic raw materials
3) glaze materials in ceramic factories, cement factories, enamel factories
4) glass work owing to the excellence of high density, high hardness, and high wear rate. During the abrasive/grinding processing, ceramic balls will not break up; It will not pollute the ground material as well.
5) the mix and crush procedure of ceramics, glass, glaze and frits, chemical and plastic industries.

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