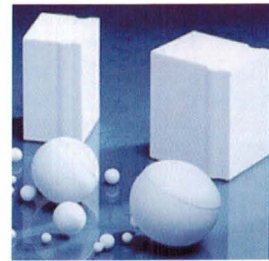


**HUANGHE MINERALS CO.,LIMITED****PRODUCTS SPECIFICATION****PRODUCT CORUNDUM BALL-GRINDING MEDIA****VERSION: 2006****CODE: T/QA****ORIGIN: CHINA /ZJ**

## 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.

规格 Specification	直径(mm) Diameter(mm)	inches
φ20	20±1	$\frac{3}{4}$
φ30	30±1.5	$1\frac{1}{4}$
φ40	40±1.5	$1\frac{1}{2}$
φ50	50±2	2
φ60	60±2	$2\frac{1}{2}$



## Corundum ball physical and chemical specs:

项目Items	名称Type	75系列 75Series	92系列 92Series	95系列 95Series
氧化铝% Composition $Al_2O_3$		75	92	95
体积密度 $g/cm^3$ Bulk Density		$\geq 3.2$	$\geq 3.65$	$\geq 3.70$
吸水率% Water Content		$\leq 0.02$	$\leq 0.01$	$\leq 0.01$
硬度(莫氏)Hardness		8	9	9
抗压强度mpa compression Strength		$\geq 1800$	$\geq 2000$	$\geq 2250$
颜色 Colour		白色	白色	白色
当量磨耗 (%)		White	White	White
Quivalent weight wear and tear		$\leq 0.20$	$\leq 0.15$	$\leq 0.10$

## 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 capacity to 30-50%, for instance: one 1.5mt ball mill of  $\varnothing 1800mm \times 2100mm$ :

## Efficiency Comparison Table(Ball mill capacity:1.5T)

衬砖、球石种类 Lining Bricks & Stone Balls	刚玉质衬砖、瓷球种类 Coroudum-quality	一般衬砖、球石种类 Ordinary	天然衬砖、球石种类 Natural
装料量(T) Charging Capacity(T)	3.6-4.0	2.6-3.0	2.5-3.0
装球量 Amount of balls charged	1.5-2.0	1.5-1.7	1.4-1.6
研磨时间(H) Grinding Time(H)	8-12	16-18	20-24