



Enlarged Photos

•Physical Properties :

Specific Gravity	Bulk Density	Micro Hardness	Compressive Strength	Wear Rate	Color
6.0-6.1kg/dm ³	3.6-3.8kg/L	1250kg/mm ²	200kgf(2mm)	< 6g/T	Ivory

•Sizes :

Model	Sizes (mm)	Model	Sizes(mm)
DY1	0.1	DY16	1.6-1.8
DY2	0.2	DY18	1.8-2.0
DY3	0.3	DY20	2.0-2.2
DY4	0.4-0.6	DY22	2.2-2.5
DY6	0.6-0.8	DY25	2.5-2.8
DY8	0.8-1.0	DY28	2.8-3.2
DY9	0.9-1.1	DY30	3.0-3.5
DY10	1.0-1.2	DY35	3.5-4.0
DY11	1.1-1.3	DY40	4.0-4.5
DY12	1.2-1.4	DY45	4.5-5.0
DY14	1.4-1.6	DY50	5.0-5.5

•Description :

DURA-60 is one Tetragonal Zirconia Polycrystal (TZP) bead, which made from first grade yttria stabilized powder with sintered method. The sizes of internal micro crystals are less than 0.4μm benefit excellent crushing strength and wear resistance, which guarantees cross contamination free to grinded products. It is a top option to deal with the ultra-fine particles in conventional ball mills and modern pearl mills.

•Specialty :

- A wide range sizes for selection: from micro bead 0.1mm to big ball 60mm;
- Fine and homogenous yttria-stabilized Tetragonal Zirconia Polycrystal (Y-TZP): PPM wear rate suits to deal with contamination free products;
- The highest hardness and toughness: the optimal choice to grind the corrosive and abrasive material;
- Matching mills: micro beads for small capacity mills; middle size beads for high intensity mills and big ball for stirred or rolling ball

•Application :

- Ceramic pastes or powder: ceramic pastes such as aluminum oxide, silicon nitride, silicon carbide, zirconium silicate and zirconium oxide;
- Electronic pastes: noble metal pastes such as gold, platinum, palladium and silver; base metal pastes such as cuprum, nickel and zinc pastes;
- Nano material: pigments of inkjet like carbon black and magenta; pigments of LCD, color filter, diamond for polishing agent, TiO₂ for photo catalyst.

•Chemical Composition :

Composition	ZrO ₂	Y ₂ O ₃
Wt%	94-96	4-6

•Sizes(balls) :

Model	Sizes (mm)	Model	Sizes(mm)
DYB6	6.0±0.3	DYB25	25.0±0.5
DYB7	7.0±0.3	DYB30	30.0±0.5
DYB8	8.0±0.3	DYB35	35.0±0.5
DYB10	10.0±0.4	DYB40	40.0±0.6
DYB12	12.0±0.4	DYB45	45.0±0.6
DYB15	15.0±0.4	DYB50	50.0±0.7
DYB20	20.0±0.4	DYB60	60.0±0.7