



### •Description :

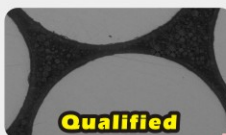
DURA-40 zirconium silicate beads are made from the high grade Australian zircon sand with dropping & granulating shaped method and hardened by sintering. The unique formula and producing procedure offer you a middle density and hardness, high wear resistance zircon beads. It is a good option to grind and disperse middle hard particles in the low to middle viscosity range slurries.

### •Specialty :

- Tight and homogenous microstructure of zirconium silicate;
- Glazed working surface;
- Excellent performance cost;
- Matching mills: discs type of horizontal or vertical bead mills; pin type with the tip speed less 13m/s.

### •Application :

- Pigments and dyestuffs: to grind and disperse inorganic pigment such as  $\text{TiO}_2$ , carbon black; organic pigments such as phthalocyanine blue, cromophtal yellow;
- Coatings & paints: protection paint, emulsion paint, printing inks, inkjet inks, paper coating and video tape coating;
- Fillers: Kaolin, Mica,  $\text{CaCO}_3$  and steatite..



**The Inner Structure**

### •Chemical Composition :

Composition	$\text{ZrO}_2$	$\text{SiO}_2$	$\text{Al}_2\text{O}_3$
Wt%	60-64	30-33	7-9

### •Physical Properties :

Specific Gravity	Bulk Density	Micro Hardness	Hardness Mohs	Compressive Strength	Wear Rate	Color
4.0-4.2kg/dm <sup>3</sup>	2.5-2.6kg/L	1000kg/mm <sup>2</sup>	7.3	110kgf(2mm)	< 40g/T	Off-white

### •Sizes :

Model	Sizes (mm)	Model	Sizes(mm)
DZ4	0.4-0.6	DZ16	1.6-1.8
DZ6	0.6-0.8	DZ18	1.8-2.0
DZ8	0.8-1.0	DZ20	2.0-2.2
DZ10	1.0-1.2	DZ22	2.2-2.5
DZ12	1.2-1.4	DZ25	2.5-2.8
DZ14	1.4-1.6	DZ28	2.8-3.2

### •Sizes(balls) :

Model	Sizes (mm)	Model	Sizes(mm)
DZB4	4.0±0.5	DZB10	10.0±1.0
DZB5	5.0±0.5	DZB11	11.0±1.0
DZB6	6.0±0.5	DZB12	12.0±1.0
DZB7	7.0±0.5		
DZB8	8.0±0.5		
DZB9	9.0±0.5		