


## Zirconia Toughened Alumina (ZTA) Bead Material Properties (TZ40) - SU0530


| Properties           |  | Unit              | Value                     |
|----------------------|--|-------------------|---------------------------|
| Chemical composition |  | -                 | Zirconia Compound Alumina |
| Ingredients          | Al <sub>2</sub> O <sub>3</sub> + ZrO <sub>2</sub>  | %                 | ≥ 90                      |
|                      | SiO <sub>2</sub>   | %                 | ≤ 5                       |
|                      | Other  | %                 | ≤ 3                       |
| Physical properties  | Specific Gravity   | g/cm <sup>3</sup> | 3.95 - 4.05               |
|                      | Bulk density   | g/cm <sup>3</sup> | ≥ 2.4                     |
|                      | Color  | -                 | light yellow              |
|                      | Vickers hardness   | GPa               | ≥ 12                      |
|                      | Crushing strength (Φ3.0)   | N                 | ≥ 1500                    |
|                      | Available size range   | mm                | 0.3 - 20                  |
|                      | Sphericity   | %                 | ≥ 96                      |
| Application          | Grinding media in horizontal & vertical mill for paint, ink, mineral, agrochemical, etc. |                   |                           |

*Remark: The value is just for review. Different working conditions may cause some difference..*

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