Specifications for Yttria Stabilized Zirconia grinding balls

1. Ball diameter : 3.0 mm
2. Composition of the balls by weight % : ZrO₂ : 94 to 95%,
   Y₂O₃ : 5.0 to 6.0%
   Al₂O₃ : <0.25%
   SiO₂ : < 0.009%
   Fe₂O₃ : <0.002%
3. Bulk density : 3.5 to 3.7 g/cc
4. Specific density : 6.0 to 6.1 g/cc
5. Hardness Mohs : > 9
6. Crushing load KN : 20
7. It shall be highly resistant to acids and solvents
8. It shall have high polished, smooth, easy to clean and low abrasion to bowl
9. It shall have high mechanical strength, good toughness and impact resistance