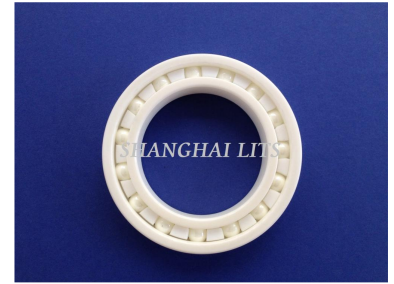


# Zirconia Ceramic Ball Bearing

This ceramic ball bearing is made with Zirconium Oxide (ZrO<sub>2</sub>) inner and outer rings and balls, and a PTFE retainer. It is designed for demanding applications requiring hardness, corrosion resistance, and high-temperature performance.



## Product Overview

### Zirconia Ceramic Ball Bearing

These high-precision ceramic ball bearings are crafted from Zirconium Dioxide (ZrO<sub>2</sub>), offering exceptional hardness and superior corrosion resistance. Designed to outperform traditional steel bearings, they provide reliable operation in demanding environments, including high-speed machinery and corrosive settings. Their robust construction ensures minimal friction and extended service life, making them an ideal solution for applications requiring electrical insulation.

## Material & Properties

Material	Zirconium Dioxide (ZrO <sub>2</sub> )
Key Features	Corrosion Resistant, High-Temperature Performance, Electrically Insulating, Wear Resistant

## Performance Metrics

### Performance Highlights

**1 Minimal**  
Friction Level

**1 Electrical**  
Insulation

## Application Suitability

### Ideal Applications

- Corrosive environments
- High-speed machinery
- Applications requiring electrical insulation