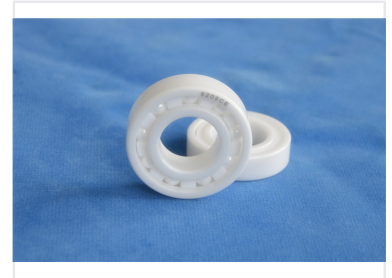


Zirconia Deep Groove Ball Bearing

This deep groove ball bearing is made from zirconium dioxide (ZrO₂) for excellent hardness and corrosion resistance. It is suitable for high-temperature applications and can be ordered with cages made from PTFE, PEEK, or 316 stainless steel.



Product Overview

Zirconia Deep Groove Ball Bearing (ZrO₂)

These full ceramic ball bearings are crafted from high-performance zirconium dioxide (ZrO₂), offering exceptional resistance to corrosion and chemical exposure. Designed for specialized environments, they are non-magnetic and non-conductive, making them ideal for high-vacuum, medical, and chemical processing applications. With options for full complement or various cage materials like PTFE, PEEK, or 316 stainless steel, these bearings provide versatile solutions for extreme temperature ranges.

Technical Specifications

Temperature Range

400 °C

Max Temp (Full Complement/316 SS Cage)

250 °C

Max Temp (PTFE/PEEK Cage)

-70 °C

Min Temp

Material

Zirconium Dioxide (ZrO₂)

Standard Radial Clearance

C0

Features & Options

Sealing Options

Open • PTFE Seal • PEEK Seal • Flanged

Key Properties

- Non-magnetic
- Non-conductive
- High corrosion resistance
- Extreme temperature capability

Available Cage Materials

Full Complement (No Cage), PTFE, PEEK, 316 Stainless Steel