Ceramics

### High Purity Alumina  $\text{Al}_2\text{O}_3$
- **Properties**: Alumina, or aluminum oxide, has excellent abrasion resistance and insulation properties. It is used in a wide range of applications as one of the iconic advanced ceramics.
- **Applications**:
  - insulation parts for various types of lamps
  - insulation parts for various types of sensors
  - various types of precision shafts
  - and others

### Alumina  $\text{Al}_2\text{O}_3$
- **Properties**: Alumina, or aluminum oxide, has excellent abrasion resistance and insulation properties.
- **Applications**:
  - thermal resistant or insulation parts
  - high-voltage insulators
  - insulation parts for electron tubes
  - and others

### Zirconia  $\text{ZrO}_2$
- **Properties**: Zirconia, or zirconium dioxide, obtains incomparable strength and fracture toughness through partial stabilization.
- **Applications**:
  - various types of abrasion-resistant parts
  - various types of chemical-resistant parts
  - various types of precision shafts
  - and others

**Notes**: Ceramics are manufactured upon request. Please contact our sales personnel for more information.