



Polymer Coated Insulated

Bearings

Electrical insulation layer to prevent electrical pitting in the bearings and hence improved bearing life in motor bearings.

Features

- ✓ Improves bearing life in electrical current passage
- ✓ High insulation resistance even in moist environment
- ✓ Preventing creep due to difference in thermal expansion coefficient
- ✓ Operating temperature -40 to 200 °C
- ✓ Easy to mount

Benefits

- ✓ Higher operational reliability with cost effectiveness
- ✓ Increased machine uptime
- ✓ Reduced overall operating costs
- ✓ Improves lubricant life
- ✓ Insulation over wide range of operating temperature

Application

- ✓ E-Motor (Automotive/Industrial /Railways)

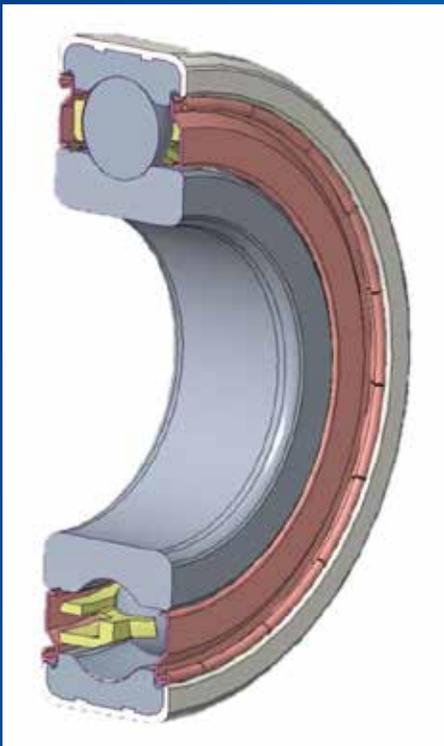
Motor Bearings



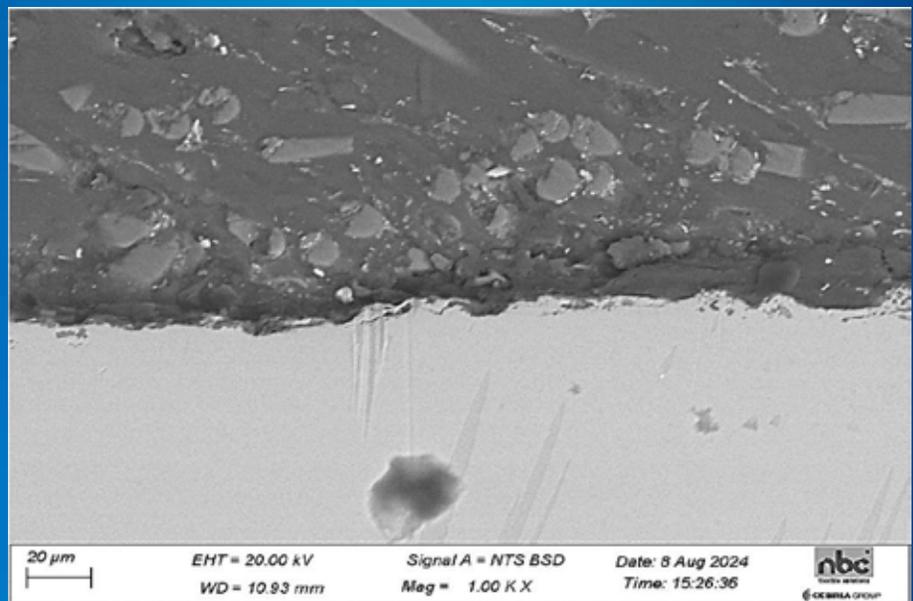
Specifications

- ✓ Optimized molded layer thickness (0.5-1.0 mm) to suit insulation requirement
- ✓ High dimensional accuracy with post molding machining operation
- ✓ High insulation resistance (> 50 M-Ohm)
- ✓ Mechanical locking with the substrate material
- ✓ No porosity
- ✓ Can be applied to ball and roller bearings

Technical Data



Ring cross section



Molded layer interlocking with no porosity

