

## Insulated Bearings for Traction Motors - PPS

To prevent electric pitting, NSK developed PPS-resin coating insulated bearings and ceramic coating insulated bearings. Relationship between temperature and insulation resistance of PPS-insulated bearings was assessed. As a result, no deterioration of insulation resistance up to 110° C was observed.

### Product Features

- Isolating Items
- Down-sizing
- Long life
- High reliability
- High strengthened cage

### Benefits

- Electric Pitting protection
- Proper cage design (DGBB and CRB)
- Proper contact point design (CRB)
- Traceability
- Roughness control of the raceway
- Roller and ball surface
- Bearing materials are vacuum degassed for high purity
- Dimensional stability of bearing steel
- Bearings are manufactured to ISO Class 6

### Condition Description

- Electrical leakage
- High Accuracy
- Vibration

### Industries

- Railway

