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 strenghten 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