



Insuohm Bearings

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

TRACTION MOTOR

Features

- ✓ Improves bearing's life in electrical current passage
- ✓ Optimized coating with plasma spray process
- ✓ High insulation resistance
- ✓ High dimensional stability after coating
- ✓ Easy-to-mount

Benefits

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

Application

- ✓ Traction motor bearings (Railways)
- ✓ Industrial motor bearings
- ✓ High capacity EV motor bearings



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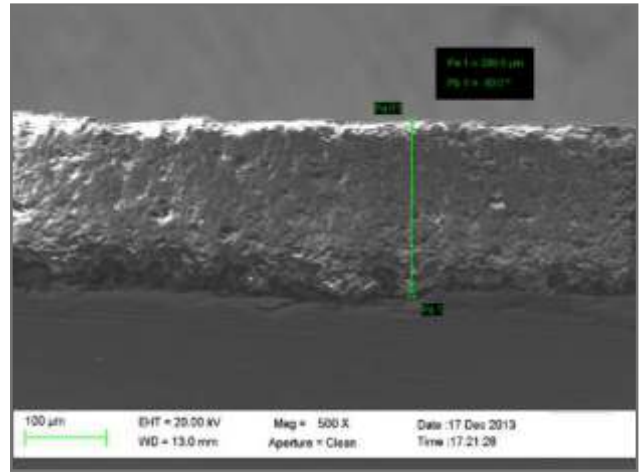
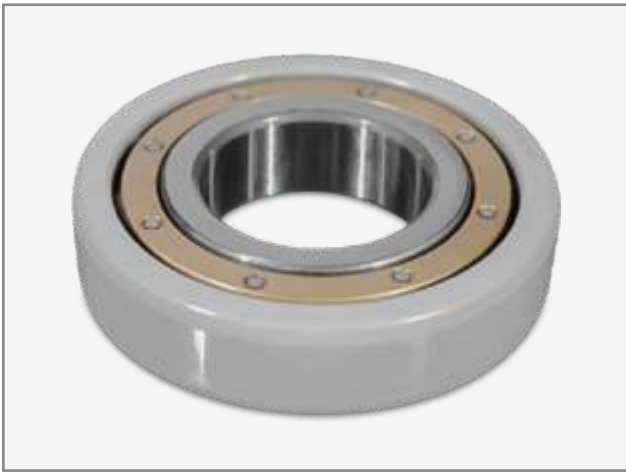
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Specifications

- ✓ Optimized Coating thickness to suit insulation requirement
- ✓ Insulation resistance of Min. 600 MΩ when tested at 2500 VDC and temperature 25±5°C, <60% relative humidity
- ✓ High bond strength
- ✓ Low porosity (<4%)
- ✓ Can be applied to ball and roller bearings

Technical Data



Coating thickness on the outer ring