



Oil Impregnated

Bearings

Oil impregnated bearings composed of 70-80% of lubricating synthetic oil. Oil is moulded and solidified with polymer to form a casing which act as a lubricant reservoir throughout bearing life

Features

- ✓ Improved lubrication system with consistent lubricant supply
- ✓ Superior lubricant – synthetic oil
- ✓ Lesser torque due to no churning phase
- ✓ Excellent performance in water and dusty environment due to inherent sealing property
- ✓ Environment friendly molding process

Benefits

- ✓ Long life and maintenance free
- ✓ Higher operational reliability
- ✓ No Re-lubrication needed
- ✓ More lubricant quantity in the same bearing pocket
- ✓ Increase in load carrying capacity in case of oil impregnated ball cage assembly.

Application

- ✓ Industrial application like
 - o Conveyors
 - o Metal processing
 - o Mining
 - o Agriculture
 - o Food processing
 - o Paper and packaging etc.
- ✓ Other automotive applications like 2 & 3 steering column

Industrial & Automotive Applications



Specifications

- ✓ Oil impregnated bearings can run upto 100 °C Max.
- ✓ Best suited for oscillation and low to medium speed rotation.
- ✓ Upto 70 % of synthetic oil in the molded bearing.
- ✓ Can be filled in sealed ball bearings and other roller bearings e.g, tapered, cylindrical and spherical roller bearings.

Technical Data

Microstructure with oil droplets

Bearing Type	Service Life Ratio
Standard Bearing	1
Oil impregnated bearing	2.08

Bearing Type	Lubricant quantity
Grease lubricated bearing	20-40% of free space
Oil impregnated bearing	90-95% of free space

