

PALLUBE COATING

SOLID LUBRICANT COATING

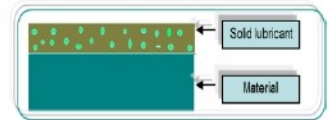
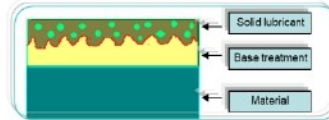
Pallube is the Solid lubricant coating process of NIHON PARKERIZING group company. It helps in wear resistance, corrosion resistance and reduces friction of parts without collecting dust. The coating can increase heat resistance and electrical conductivity properties to respond to customer's usage.

Characteristics

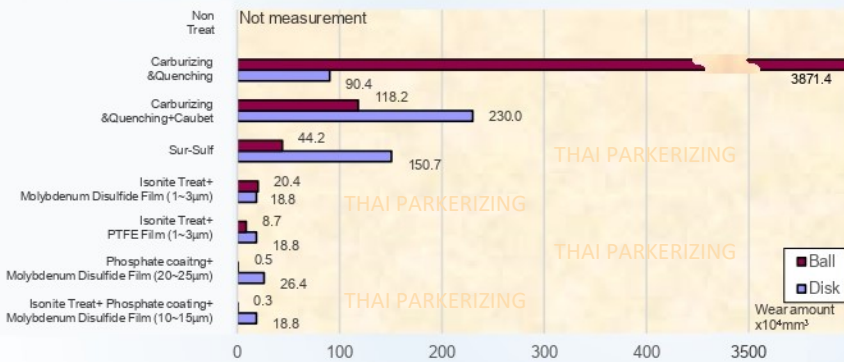
- » Reduce friction under dry condition (No oil requires)
- » Wear resistance
- » Electrical conductivity or insulation
- » Corrosion resistance
- » Heat resistance

Product Type

- » Molybdenum Disulfide (MoS_2)
- » Polytetrafluoroethylene (PTFE)
- » Graphite (C)



Technical Data



- Examination equipment : Ball on disk wear-out examination machine
- Material : Disk SUM23 (Ø24 Surface roughness Ra0.5 Finishing) Ball SUS304 (Ø6)
- Examination method : No apply oil
Sliding velocity 314mm/s
Sliding distance 376m
Load 5N



Solid lubricant (Pallube) is a coating that helps in wear resistance and reduces friction on two sliding surfaces without collecting dust.

Product function

Can be applied with various materials such as steel, metal, alloy, resin or rubber.

Molybdenum Disulfide (MoS_2)

Be used for heavy load (direct load) 30Kg/Cm²
Temperature in use about 300-350°C.
Used running-in of gear cam, starter clutch.

Polytetrafluoroethylene (PTFE)

Be used for shear load.
Suitable for sliding parts.
Maximum Temperature about 260°C.

Graphite (C)

Be used for very high temperature
400 - 500°C and middle load.,
Increase conductivity.

