

Optia®

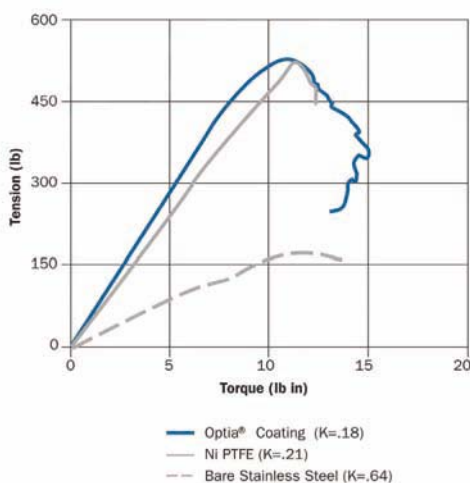


Infastech developed its **Optia® coating, a thin-film, lubricious polymer covering** that is applied to a wide range of fasteners, to satisfy five key needs of today's electronics manufacturers:

- Small, reliable fasteners for highly shock resistant products
- Extremely clean screws for internal assembly of small-fast high capacity disk drives
- Zero defect assembly and manufacturing processes to optimize yield
- Faster assembly through automation and reduced torque related line failures
- Globally available product



The unique lubricious characteristic of our Optia® coating enables manufacturers to utilize the fasteners full strength by reducing friction between the fastener's surface and the surface of the mating component. Fasteners with Optia® coating offer low particle generation, non-galling properties and significant mechanical advantage in fasteners as small as M0.8 in diameter.



Performance Benefits

- Decreased k factor (torque coefficient or nut factor) compared to uncoated fasteners provides higher clamp force with less seating torque
- Reduced seating torque reduces strip out which enables the use of low profile heads
- 0.5µm thin layer coating avoids recess fill and does not require fastener tolerance adjustments
- Minimized debris generation
- Compliance with hazardous substances restrictions - RoHS and WEEE
- Meets or exceeds Class 100 Clean Room requirements, including:
 - Liquid Particle Count (LPC)
 - Ion Chromatography (IC)
 - Non Volatile Residue (NVR)
 - Spectrometer (FTIR)

