

Description

TAK-DOPE Zn-50 Grease is a high-performance, zinc-based thread compound designed for demanding industrial applications. It is formulated with 50% finely powdered metallic zinc, heavy-duty base oils, specialty tackifiers, thickening agents, and proprietary additives. This robust composition provides exceptional lubrication, corrosion protection, and anti-galling properties, making it ideal for rotary shouldered connections in harsh environments.

NLGI	2
Friction Factor (API RP 5A3 Annex I)	1.0
Appearance	Grey, Smooth
Dropping Point (ASTM D-2265)	≥350°F (≥177°C)
Flash Point (ASTM D-92)	≥485°F (≥252°C)
Brushable to	5°F (-15°C)
Shelf Life (unopened container)	+Four years
Penetration (ASTM D-217)	265-295
Specific Gravity, at 77°F (25°C)	1.6
Four-Ball EP Weld Point, kgf (ASTM D2596)	500
Base Oil	Mineral oil
Base Grease	Calcium Sulfonate
Solid Content	Zinc + Minerals



APPLICATIONS

- **Superior Anti-Galling:** Contains 50% metallic zinc to prevent seizing and galling of threads, even under extreme pressure.
- **Reduced Friction & Wear:** Provides excellent lubrication, minimizing friction and wear on components during assembly and operation.
- **Corrosion Protection:** Formulated with H₂S and oxidation inhibitors to protect against rust and corrosion in aggressive environments.
- **Water Wash Resistance:** Exhibits strong adhesion to metal surfaces, resisting water washout and ensuring long-lasting protection.
- **High Tackiness:** Its tacky nature ensures the compound stays in place, providing consistent performance.

