

High Temperature Sulphonate Grease (T-SG5)



Product Description

Podlee T-SG5 range grease is a premium calcium sulfonate complex grease, formulated with synthetic base oils and refined through cutting-edge thickening technology, making it a truly "all-purpose" high-performance lubricant. It boasts exceptional mechanical stability, resistance to fatigue, high temperatures, water, and corrosion, while maintaining resistance to hardening. Its precision-engineered formulation and stable performance enable it to meet the demands of even the most extreme operating conditions. Outperforming traditional greases in both performance and broader applicability, it delivers superior versatility across diverse industrial applications.

Application

Steel plants: Exclusive suitability for complex operating conditions such as hot rolling mill bearings, calender roll bearings, and conveyor roll bearings.

Textile and papermaking machinery: Ideal for lubricating industrial bearings under high-temperature, heavy-load conditions.

High-temperature environments: Effective for low-speed bearings (e.g., stenter frames, hot melt fans, heat-setting machines, high-temperature dyeing vessels).

Industrial equipment: Engineered for extreme or heavily loaded operational scenarios.

Advantages

Exceptional mechanical stability, ensuring it is a truly long-lasting lubricant;

Inherent extreme pressure (EP) and anti-wear properties, delivering outstanding load-bearing capacity;

Superior high- and low-temperature performance with excellent thermal stability;

Remarkable water resistance, maintaining consistent viscosity even under heavy water exposure;

Strong oxidation and corrosion resistance for extended durability;

Excellent adhesion to metal surfaces, ensuring reliable lubrication film retention.

Typical Characteristics

Item	Test Data	Standard
NLGI	2	ASTM D217
Work Penetration (0.1mm)	277	ASTM D217
Dropping Point (°F/°C)	536/280	ASTM D2265
Oil Separation (100°C,4h), (%)	1.2	ASTM D6184
Copper Corrosion	1a	ASTM D130
Evaporation Loss (99°C, 22h) (%)	2.67	ASTM D972
P _D (kgf)	500	ASTM D2783
Operating Temperature (°F/°C)	-40 (-40) – 356 (180)	–

Package

17 KG/CTN

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