

Sulphonate Complex Grease (SG5)



Product Description

Podlee SG5 range grease is a sophisticated calcium sulfonate complex grease, crafted using the most advanced thickening technology, making it a truly "all-purpose" lubricant. It boasts exceptional mechanical stability, resistance to fatigue, high temperatures, water, and corrosion, and maintains its consistency without hardening. Thanks to its meticulously engineered formulation and stable performance, it meets the demanding requirements of various harsh conditions, outperforming traditional greases with broader applicability. It has been widely adopted across numerous industrial sectors.

Application

Suitable for transportation, metallurgy, petrochemical, and various engineering machinery; lubrication of sliding bearings, rolling bearings, ball bearings, wheel hub bearings, and linkage components under harsh conditions.

Steel plants: Hot rolling mill bearings, calender roll bearings.

High-temperature, heavy-load industrial bearings in textile and papermaking machinery.

Low- to high-speed bearings in high-temperature environments (e.g., stenter frames, hot melt fans, heat-setting machines, high-temperature dyeing vessels).

Industrial equipment operating under extreme or heavily loaded conditions.

Advantages

Outstanding high- and low-temperature performance reduces downtime and lowers maintenance costs.

Superior extreme pressure (EP) load-carrying capacity forms a durable lubricating film under heavy loads.

Excellent oxidation stability maintains grease integrity even at elevated temperatures.

Exceptional structural stability in the presence of water ensures reliability in wet conditions.

Advanced anti-wear, rust protection, and corrosion resistance extend bearing service life.

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 (N)	7845	ASTM D2783

Package

17 KG/CTN

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