



SIL-X[®] GREASE

NLGI 1

PRODUCT DESCRIPTION

Sil-X[®] Grease is a silica-thickened grease recommended for industrial applications subjected to very high temperatures requiring a lubricant which will not melt.

CUSTOMER BENEFITS

Sil-X Grease delivers value through:

- **High temperature stability** — “No melt” silica thickener will not melt at high temperatures, but will remain in place on bearing surfaces and continue to help provide excellent lubricity.
- **Good leak prevention** — Grease makeup helps prevent leakage from bearings.
- **Good visibility** — Distinctive red color permits ready determination that the lubricant is still in place.

FEATURES

Sil-X Grease is a silica-thickened grease.

It is manufactured using high viscosity, high viscosity index base oils and contains effective rust and oxidation inhibitors.

It is transparent red in color, and has a smooth consistency with distinct stringiness.

Sil-X Grease provides excellent lubrication in industrial applications where high temperatures are encountered. The dropping point of Sil-X Grease exceeds 260°C (500°F).

Its high viscosity oil and high viscosity additive characteristics enable this lubricant to seal bearings and resist leakage and washout.

Under high temperature operating conditions, the “no-melt” silica thickener keeps the lubricant in place long after conventional multipurpose greases would have melted and run out of bearings.

Sil-X Grease is excellent in terms of pumpability.

APPLICATIONS

Sil-X Grease is recommended for industrial applications subjected to very high temperatures requiring a lubricant which will not melt.

Typical applications are plain or journal bearings, antifriction bearings, gear cases in kiln cars, conveyors in ceramic and paint baking ovens, furnace doors, shafts extending through furnaces, etc.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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TYPICAL TEST DATA

NLGI Grade	1
Product Number	255779
SDS Number	6704
Operating Temperature, °C(°F) Minimum ^a Maximum ^b	-9(+15) 204(400)
Penetration, at 25°C(7°F) Unworked Worked	328 325
Dropping Point, °C(°F)	>260°C(500°F) Contains "no-melt" silica thickener
Lincoln Ventmeter, psig at 30 s, at 75°F 30°F 0°F -22°F	175 200 † →
Thickener, % Type	6.0 Silica
ISO Viscosity Grade, Base Oil Equivalent	460
Viscosity, Kinematic* cSt at 40°C cSt at 100°C	467 30.5
Viscosity, Saybolt* SUS at 100°F SUS at 210°F	2506 150
Viscosity Index*	94
Flash Point, °C(°F)*	304(580)
Pour Point, °C(°F)*	-12(+10)
Texture	Smooth
Color	Red

a Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.

b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

† Too stiff at this temperature to pump through device.

→ Not tested at this temperature.

* Determined on mineral oil extracted by vacuum filtration.

Minor variations in product typical test data are to be expected in normal manufacturing.

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