

Technical Data Sheet

SPECTRUM 441

Extreme

High Temperature

Bearing Grease

FEATURES

- High Temperature stability with service range -17° to 260°C (0° to 500°F)
- Non-melting
- Good water and washout resistance
- High oxidation resistance

COMPOSITION

- Silicone oil
- Carbon black
- Corrosion inhibitors

APPLICATIONS

SPECTRUM 441 was designed to lubricate ball bearings operating under light to moderate loads. Typical applications include:

- Antifriction bearings of high- temperature equipment
- Oven conveyor bearings
- Wheel Bearings of core oven carts
- Governor linkage of steam turbines
- Knife-type electric power disconnect switches
- Ball and socket connections of power insulators
- Aircraft turbine engines

LIMITATIONS

SPECTRUM 441 should not be applied to surfaces that are to be painted or used with highly loaded ferrous metal bearing combinations, especially where sliding friction is encountered. Is not approved for medical or pharmaceutical applications.

DESCRIPTION

SPECTRUM 441 Extreme High Temperature Bearing Grease is formulated with a silicone lubricating oil and carbon black thickener available in light and medium consistencies. NN41 was designed to lubricate ball bearings operating under light to moderate loads with a wide service temperature range. When operating at extremely high temperatures, bearings need to be monitored frequently to ensure grease is not dried out.

TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact Spectrum Catalyst for assistance in preparing a specification.

Property	Test Method	Typical Value
Color	Visual	Black
Base Oil		Silicone
Thickener		Carbon Black
NLGI Grade	ASTM D 217	#2
Specific Gravity, 25°C	DIN 51 817	1.14g/cm ³
Bleed %, 149°C /24h	CTM	4.8%
Evaporation %, (149°C /24hrs)	CTM	2.5%
Penetration	ASTM D 217	280
Dropping Point	ASTM D 2265	>570(300°C)
Max Dn Value		75,000
Service Temperature Range		17° to 260°C

CTM: Corporate Test Method, copies of CTMs are available on request.

STORAGE AND SHELF LIFE

SPECTRUM 441 Grease can be stored up to 60 months from date of shipment at ambient temperatures in its original, closed container.

PACKAGING

NN41 is available in 55 gallon drums (450 lbs.), 5 gallon pails (40 lbs.), 1 gallon pails, packets, and grease cartridges.

Special packaging and private labeling is available upon request.