

## Technical Data Sheet

# **SPECTRUM 444**

## **Silicone High Temperature Bearing Grease**

Rev. 1 01/01/2023

### FEATURES

- Resistance to oxidation, moisture and corrosive atmospheres
- Good shear stability
- Wide service temperature range -40 to 190°C (-40 to 374°F)

### COMPOSITION

- Phenylmethyl silicone oil
- Lithium soap

### APPLICATIONS

- Kiln preheater fans
- Oven fans
- Radiator cooling fans
- Textile Slashers and Dryers
- Aircraft engines
- Conveyor systems
- Slides

### LIMITATIONS

*NN44* 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.

### DESCRIPTION

**SPECTRUM 444 Silicone High Temp Bearing Grease** is formulated with a silicone base oil and lithium soap thickener available in light and medium consistencies. This material was designed to protect metal on metal bearing surfaces. It is an excellent product to lubricate anti-friction bearings in extremely high temperatures.

### 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.

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Color	Visual	Off White
Base Oil		Phenyl Silicone
Thickener		Lithium Soap
NLGI Grade	ASTM D 217	#1
Specific Gravity, 25°C	CTM-2	1.0
Bleed, 100°C 24h	FTM791 321.3	<2%
Evaporation, 100°C, 24h	FTM791 321.3	<1%
Penetration, worked x 60	ASTM D 217	316
Dropping Point	ASTM D 2265	>204°C
Service Temperature Range		-40 to 190°C

### STORAGE AND SHELF LIFE

**SPECTRUM 444** Grease can be stored up to 60 months from date of shipment at ambient temperatures in its original, closed container.

### PACKAGING

**SPECTRUM 444** is available in 3.5 oz. tubes, 5.3 oz. tubes, 400 gram cartridges, 3.6 kg cans, 5 kg pails, 18 kg pails, 25 kg pails, and 180 kg drums. **Special packaging and private labeling available upon request.**