

Technical Data Sheet

SPECTRUM 333

Silicone

Low Temperature

Bearing Grease

FEATURES

- Resistance to oxidation, moisture and corrosive atmospheres
- Inertness
- Good shear stability
- Wide service temperature range
- Compatible with many plastics

COMPOSITION

- Phenylmethyl silicone oil
- Lithium soap

APPLICATIONS

- Antifriction bearings
- Slide Rails
- Cold room conveyor equipment
- Dryers
- Fan assemblies
- Ball & Socket Connections
- Photographic, optical and surveying equipment
- Starter clutch drives
- Freezer cart casters
- Utility disconnect switch contacts
- Plastic electric clock motors
- Power-factor meters, watt-hour meters, Maximum-demand meters
- Windshield wiper motor gears
- Oscillographs and geophysical and instruments
- Light, low-torque instruments
- O-Ring lubricant for paintball guns or markers

DESCRIPTION

SPECTRUM 333 Silicone Low Temp Bearing Grease is formulated with a silicone base oil and lithium soap. This material was designed to protect metal/metal surfaces as well as plastic and rubber substrates. It is an excellent product to lubricate anti-friction bearings as well as plastic and rubber parts.

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	Off White
Base Oil		Silicone
Thickener		Lithium Soap
NLGI Grade	ASTM D217	#1
Penetration, unworked	ASTM D217	307
Penetration, worked 60x	ASTM D217	311
Specific Gravity, 25°C	CTM-2	1.00
Oil Separation, (150°C, 24h)	FTM791.321.3	1.62%
Evaporation, (150°C, 24h)	FTM791.321.3	0.11%
Dropping Point	ASTM D 2265	229°C
Four Ball Wear, 10kg, 1200rpm,		0.59mm
1h. Coefficient of Friction	ASTM D 2266	0.098
Service Temperature Range		-60 to 190°C

LIMITATIONS

SPECTRUM 333 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.

STORAGE AND SHELF LIFE

SPECTRUM 333 Grease can be stored up to 60 months from date of shipment at ambient temperatures in its original, closed container.

PACKAGING

Available in in 55 gallon drums (400 lbs.), 5 gallon pails (40 lbs.), 1 gallon pails, packets, and various cartridges.

Special packaging and private labeling available upon request.