

Technical Data Sheet

SPECTRUM 555

O-Ring Grease

FEATURES

- Compatible with many plastics and elastomers
- High oxidation resistance
- Wide service temperature range
-65°C to +190°C (-85°F to +374°F)
- Good corrosion protection
- Meets requirements for Mil Spec 4343

COMPOSITION

- Silicone oil
- Ester
- Lithium soap

APPLICATIONS

- Rubber and plastic O-rings (non-silicone)
- Dynamic lubrication between rubber and metal parts in pneumatic systems in:
 - Aircraft
 - Automotive
 - General industrial applications

DESCRIPTION

SPECTRUM 555 O-Ring Grease is a silicone-based material that helps ensure positive lubrication and sealing by slightly swelling rubber O-rings and seals. NN55 is an excellent lubricant, preventing O-rings from drying, cracking and becoming brittle in harsh environments. This product is heat stable and oxidation resistant and is serviceable from a wide temperature range.

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	White
Specific Gravity at 25°C	CTM-2	1.1 g/cm ³
NLGI	ASTM D217	#2
Dropping Point	ASTM D 2265	220°C (432°F)
Temperature Range		-65°C to 190°C (-85°F to 374°F)

LIMITATIONS

Should not be applied to any surface to be painted or finished. Coatings may not adhere to the silicone-treated surfaces. If contaminated by a silicone coating, parts can be wiped or washed with solvent or detergent. Should not be applied to O-Rings or other components made of silicone rubber because they can deteriorate the silicone rubber. Any rubber should be tested for excessive swell or shrink. Not intended for use with liquid oxygen or other strong oxidizing chemicals and should not be used in applications requiring LOX compatibility. This product is not tested, nor approved for medical or pharmaceutical uses.

STORAGE AND SHELF LIFE

SPECTRUM 555 Grease can be stored up to 60 months from date of shipment at ambient temperatures in its original, closed container.

PACKAGING

SPECTRUM 555 is supplied in 5.3 oz. tubes, 400 gram cartridges, 3.6 kg cans, 3.6 kg pails, 18 kg pails, and 180 kg drums.

Special packaging and private labeling is available upon request.