

# Technical Data Sheet

## PR5505

### O-ring Lubricant

#### FEATURES

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- Compatible with many plastics and elastomers
- High oxidation resistance
- Wide service temperature range  
-65°C to +175°C (-85°F to +347°F)
- Good corrosion protection

#### COMPOSITION

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- Silicone oil
- Ester
- Lithium soap

#### APPLICATIONS

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

**PR5505 O-ring Lubricant** is a silicone-based material that helps ensure positive lubrication and sealing by slightly swelling rubber O-rings and seals. It 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 PremierRepak, Inc. for assistance in preparing a specification.

Property	Typical Value
Color	White
Specific Gravity at 25°C	1.1 g/cm <sup>3</sup>
Dropping Point	220°C (432°F)
Temperature Range	-65°C to 175°C (-85°F to 347°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.

#### PACKAGING

PR5505 is supplied in 150g tubes; 400 g grease cartridges; 3.6kg pails and 18.1kg pails.

*Special packaging and private labeling is available upon request.*