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## TECHNICAL DATA SHEET

### **PST-455 O- Ring Lubricant**

#### **Description:**

**PST-455 O- Ring Lubricant** is a silicone- based material that helps ensure positive lubrication and sealing by slightly swelling rubber O-Rings and seals. This product is heat stable and oxidation resistant, and is serviceable from approximately -85 to 351 F (-65 to 177 C). **PST-455** is primarily used for dynamic lubrication and sealing between rubber and metal parts in pneumatic valves. Typical applications are found within the aircraft, automotive and other industries. **PST-455** meets the specification of MIL 4343C.

<b><u>Typical Properties:</u></b>	<b><u>Typical Value</u></b>
Color	Light Beige
Specific Gravity	0.98
ASTM D 217 Penetration, worked 60 strokes	290
Consistency, NLGI	No.2
ATSM D 566 Dropping Point F (C)	428 (220)
Fed Std 791 Bleed, 24 hours at 302 F (150 C) percent	3.0
Evaporation 24 hrs. at 302 F (150 C) percent	1.4
DIN 51802 Corrosion Testing, Emcore	0, no corrosion
ASTM D 1264 Water Washout Resistance percent	4.2

#### **Compatibility**

PST-455 has been shown to swell natural rubber. However, compatibility of the lubricant may vary with the plasticizer content of specific materials (especially elastomers). Small-scale compatibility testing should be conducted prior to the use of this product in any application. PST-455 should not be used with the following materials unless thoroughly tested for your specific application:

Silicone Rubber  
Polycarbonate  
Acrylonitrile-butadiene-styrene  
Liquid Oxygen

#### **Packaging**

PST-455 is available in 5.3 oz. Tubes., 55 gallon drums (400 lbs), 5 gallon pails (40 lbs), 1 gallon pails, Poly packs, and grease cartridges,

**Special packaging available upon request.**