



PolySi® G-MAN® Lubricants

Division of PolySi® Technologies



Technical Data Sheet

PST-3452 **Chemical Resistant** **Valve Lubricant**

FEATURES

- Provides superior resistance to most chemicals
- Compatible with most gaskets and seal materials
- Resistant to washout by water, fuels, oils and solvents

COMPOSITION

- Fluorosilicone
- Fluorinated polymers

APPLICATIONS

- Pumps
- Solvent & fuel handling equipment
- Chemical Mixers
- Plug valves
- Mechanical seals and packings
- Slow-speed roller and journal bearings
- Moderate-speed ball bearings
- Instruments in high vacuum, high temperatures, or in corrosive environments
- Rotary and reciprocating shaft seals
- Flexible ball joints

PST-3452 Chemical Resistant Valve Lubricant is a fluorosilicone based greases thickened with fluorinated polymers. It is designed to seal valves exposed to corrosive solvents, aggressive chemicals, high temperatures or fuels based products. These materials are useful on plug valves as well as Moderate speed ball bearings and flexible ball joints. Performs well in harsh environments where solvents may attack or destroy the lubricant.

TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact PolySi® Technologies for assistance in preparing a specification.

<u>Property</u>	<u>Test Method</u>	<u>Typical Value</u>
Color	Visual	White
Base Oil		Fluorosilicone
Thickener		Fluorinated polymers
NLGI Grade		#3
Specific Gravity @25°C		1.5
Bleed (150°C /24hrs)		1.2%
Evaporation, (150°C /24hrs)		1.2%
Penetration, worked x 60	ASTM D 217	270
Dropping Point	ASTM D 2265	>572°F (>300°C)
Water Washout, at 80°C	ASTM D 1264	1.1%
Service Temperature		-31° to 232°C -20° to 450°F

LIMITATIONS

PST-3452 is not recommended for use with highly oxidative chemicals such as liquid Cl₂ or liquid O₂. These greases are soluble in ketones such as acetone, methyl ethyl ketone and methyl isobutyl ketone. This product is not tested, nor approved for medical or pharmaceutical uses.

PACKAGING

PST-3452 is available in 55 gallon drums, 5 gallon pails or 1 gallon pails, 550 Gram grease cartridge, 100 Gram plastic tubes, pillow packs, and various jars. *Special packaging and private labeling available upon request.*