

OIL & GAS

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TECHNICAL DATA SHEET

Quality Standards:
ISO 9001:2008
ISO 14001: 2004

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VALVE LUBRICANT 601

Synthetic valve lubricant and sealant.

Description

Valve Lubricant 601 is a specially formulated valve lubricant based on a fully synthetic oil and incorporating an advanced corrosion inhibition system and an inorganic thickener.

Valve Lubricant 601 contains special extreme pressure and anti-wear additives and combined with a base oil of very high film strength, displays excellent lubricating properties. The special texture provides maximum adhesion to all metal surfaces even when subjected to very high pressures.

Application

Valve Lubricant 601 has been field proven all over the world in gate and plug valves used in crude oil, natural gas production and pipeline equipment. Particularly suitable for use where sour crude and gas, acids, sand slurries and difficult condensates are encountered.

Benefits

- Wide operational temperature range
- Highly chemically resistant
- Highly adhesive, will remain in the valve cavity under high pressure conditions
- Highly resistant to oxidation and will not harden in use
- Proven to seal plug valves at 15,000 psi
- Multiple OEM approvals - number of lubricants required can be reduced
- Currently used to seal McEvoy valves

Typical Characteristics

Thickener	Inorganic (non-soap)
Base Fluid Type	Synthetic oil
Texture	Smooth, adhesive
NLGI Grade	No. 2
Penetration at 25°C	265-295
4-Ball Weld Load (IP 239)	>620kg
Drop Point	Non-melting
Low Temperature Performance	Pumpability manually at -13°F
Temperature Range	-20°F to 450°F

Resistance

- Crude oil, natural gas and condensate
- H₂S and CO₂
- Salt water/brines
- Steam
- Frac acid (HCl)
- Diesel fuel
- Produced sand
- Drilling muds

* Pumpability temperatures refer to reasonable flow rates when using the RS Clare configured Alemite 70:1 Pump