

SPECIAL VALVE-2 HD GREASE (Synthetic valve lubricant and sealant)

DESCRIPTION:

SPECIAL VALVE-2 HD is fully synthetic greases that have been specifically formulated for the lubrication of gate and plug valves operating in the petrochemical industry. The combination of fully synthetic base fluid, an inorganic thickener, very high content molybdenum disulphide (solid lubricants), incorporating an advanced corrosion inhibition system and stabilizers, ensure that have maximum resistance to chemicals encountered in the exploration and production of crude oil and gas. They act as a lubricant to the valve components and will assist in maintaining or regaining sealing performance to minimize leakage. It provides complete protection during the critical start up and running in periods. Ideal for assembling plain bearings, pins, slides and gears etc. It is also suitable for the lubrication of valves and other slow moving parts under high loads.

APPLICATIONS

- **SPECIAL VALVE-2 HD** 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.
- It is suitable for use on most gate & plug valves across a wide operating temperature range
- Lubrication of pneumatic control valves, fire extinguishers and water softener valves.
- Sealant and lubricant for glass joints and stopcocks in normal as well as high vacuum systems
- Lubricant for pressure lubricated plug valves, flow meter bearings, ceramic plug cocks
- Sealant for vacuum and pressure systems.
- Note: **SPECIAL VALVE-2 HD** are not recommended for use on floating seat ball valves

FEATURES /BENEFITS

- Wide operational temperature ranges from -20°F to 450°F (-30°C to 235°C).
- Outstanding resistance to exploration & production chemicals (Crude oil, hydrocarbons, natural gas condensate, H₂S, CO₂, salt water/brines, steam, 20% frac acid (HCl), diesel, fuel, produced & drilling mud).
- Highly adhesive, tenacious film ensures to protect valve components ensuring smooth, reliable operation and resist wash-out minimizing cavity contamination under high pressure conditions for all metal surfaces.
- Highly resistant to oxidation and will not harden in use.
- Excellent sealant plugs valves even at 15,000 psi.
- Excellent lubrication and sealing properties

PROPERTIES

GRADES	SPECIAL VALVE-2 HD
NLGI Grade	2
Base Oil Type	Synthetic Oil
Color & Appearance	Black greyish (Smooth & Tacky)
Thickener	Organically Modified clay
Solid Lubricants %	50% molybdenum disulphide
Unworked Penetration @ 25°C, ASTM 217	265 - 295
Drop Point °C	Non-Melting -13°F (-23°C)
Low Temperature Performance	Manually Pumpable at -13
Operating Temperature Performance	-20°F to 450°F (-30°C to 235°C)
4 Ball Weld Load in Kgs	>620

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