

DESCRIPTION

EZY-TURN® #4 Gate Valve Sealant is ideal for applications requiring maximum hydrocarbon resistance. It is pumpable to temperatures as low as -40°F (-40°C) when used with a high-pressure lubricator. It retains its consistency at 500°F (260°C) within a valve where oxygen contact is avoided.

EZY-TURN® #4 is formulated using food grade polyester base fluids and contains molybdenum disulfide (MoS₂) and hydrogen sulfide (H₂S) inhibitors. The base fluids provide increased resistance to aliphatic hydrocarbons when compared to vegetable-based products. The MoS₂ enhances sealing and lubrication by burnishing into scratches effectively renewing surfaces. The H₂S inhibitors provide longer product life in sour gas service.

EZY-TURN® #4 is resistant to aliphatic hydrocarbons and lowers the torque necessary for smooth valve operation while protecting internal surfaces from scoring and galling. It has excellent water resistance but is not recommended for steam or highly alkaline service.

- Polyester Based
- Contains MoS₂
- Stops Leaks
- Nonhazardous
- Reduces Torque
- Prevents Corrosion
- Biodegradable
- Heat Resistant
- Pumpable
- Water Resistant

APPLICATIONS

EZY-TURN® #4 Gate Valve Sealant is recommended for use in valve application requiring aliphatic hydrocarbon resistance or where high and low temperature extremes are encountered.

SERVICE RATING

>-40° F (-40° C) to ≥400° F (204° C)

It can retain its consistency at 500°F (260°C) within a valve where oxygen contact is excluded.

RECOMMENDED CLEANUP

Jet-Lube® recommends using **EZY-OPEN™** or other safe oxygenated solvents for best clean up.

EZY-OPEN™ is a nontoxic, nonflammable, biodegradable lubricant and cleaner specifically designed for valve cleaning applications.

PRODUCT CHARACTERISTICS

Appearance

Bulk & Stick Semi-Plastic

Color

Bulk & Stick Gray to Black

Thickener

Bulk & Stick Inorganic

Cone Penetration (ASTM D-217)

Bulk 225-245

Stick 70-100

Density (lb/gal), Typical

Bulk 9.25 (typical)

Specific Gravity, Typical

Bulk 1.11

Dropping Point (ASTM D-2265)

Bulk None

Oil Separation (FTMS 791.B M.321.2)

Bulk & Stick 1.0 (max)

Four Ball Weld Point (ASTM D-2596)

Bulk 620-800

Water Washout (ASTM D-1264)

Bulk <2%

Evaporation Loss, 24 hr @ 150°C <0.5

pH Range

Bulk & Stick 2 – 9

Corrosivity (Nace Std TM-01-69)

Bulk & Stick <5.66 mil/year

Oxidation Stability

Bulk <5 psi drop, 168

Water Solubility, hrs

Bulk None

Note: Not for use with oxygen for strong oxidizers such as hydrogen peroxide or sulfuric acid.

